

DaimlerChrysler Ford GM

## Part Submission Warrant

Part Name PP NW7,5 SW GRN.STR. CONT. Cust. Part Number ESXU5T-14A099-AA(BG05  
Shown on Drawing No. 19314903-FORD Org. Part Number 1931930  
Engineering Change Level n Dated 05.05.2021  
Additional Engineering Changes \_\_\_\_\_ Dated \_\_\_\_\_  
Safety and/or Government Regulation ☐ Yes ☒ No Purchase Order No. : \_\_\_\_\_ Weight (kg) 0,0125

Checking Aid No. \_\_\_\_\_ Checking Aid Engineering Change Level \_\_\_\_\_ Dated \_\_\_\_\_

## ORGANIZATION MANUFACTURING INFORMATION

Delfingen DE Haßfurt GmbH / 34-320-6862  
Organization Name & Supplier/Vendor Code

Philipp-Reis-Straße 18  
Street Address

Hassfurt 97437 Germany  
City Region Postal Code Country

## CUSTOMER SUBMITTAL INFORMATION

Nursan Kablo Donanımları San. ve Tic. A.Ş  
Customer Name / Division

Nadiye BARUTÇU  
Buyer / Buyer Code

Application

## MATERIALS REPORTING:

Has customer-required Substances of Concern information been reported? ☒ Yes ☐ No ☐ n/a  
Submitted by IMDS or other customer format: 559313677

Are polymeric parts identified with appropriate ISO marking codes? ☒ Yes ☐ No ☐ n/a

## REASON FOR SUBMISSION (Check at least one)

☐ Initial submission  
☐ Engineering Change(s)  
☐ Tooling: Transfer, Replacement, Refurbishment, or additional  
☐ Correction of Discrepancy  
☐ Tooling inactive > than 1 year  
☐ Change to Optional Construction or Material  
☐ Supplier or Material Source Change  
☐ Change in Part Processing  
☐ Parts produced at Additional Location  
☒ Other - please specify below  
Requalification

## REQUESTED SUBMISSION LEVEL (Check one)

☐ Level 1 - Warrant only (and for designated appearance items, an Appearance Approval Report) submitted to customer.  
☒ Level 2 - Warrant with product samples and limited supporting data submitted to customer.  
☐ Level 3 - Warrant with product samples and complete supporting data submitted to customer.  
☐ Level 4 - Warrant and other requirements as defined by customer.  
☐ Level 5 - Warrant with product samples and complete supporting data reviewed at supplier's manufacturing location.

## SUBMISSION RESULTS

The results for ☒ dimensional measurements ☒ material and functional tests ☐ appearance criteria ☐ statistical process package  
These results meet all design record requirements: ☒ Yes ☐ No (If 'NO' - Explanation Required)  
Mold / Cavity / Production Process Extrusion

## DECLARATION

I affirm that the samples represented by this warrant are representative of our parts, which were made by a process that meets all Production Part Approval Process Manual 4rd Edition Requirements. I further affirm that these samples were produced at the production rate of \_\_\_\_\_  
I also certify that documented evidence of such compliance is on file and available for review. I have noted any deviations from this declaration below.

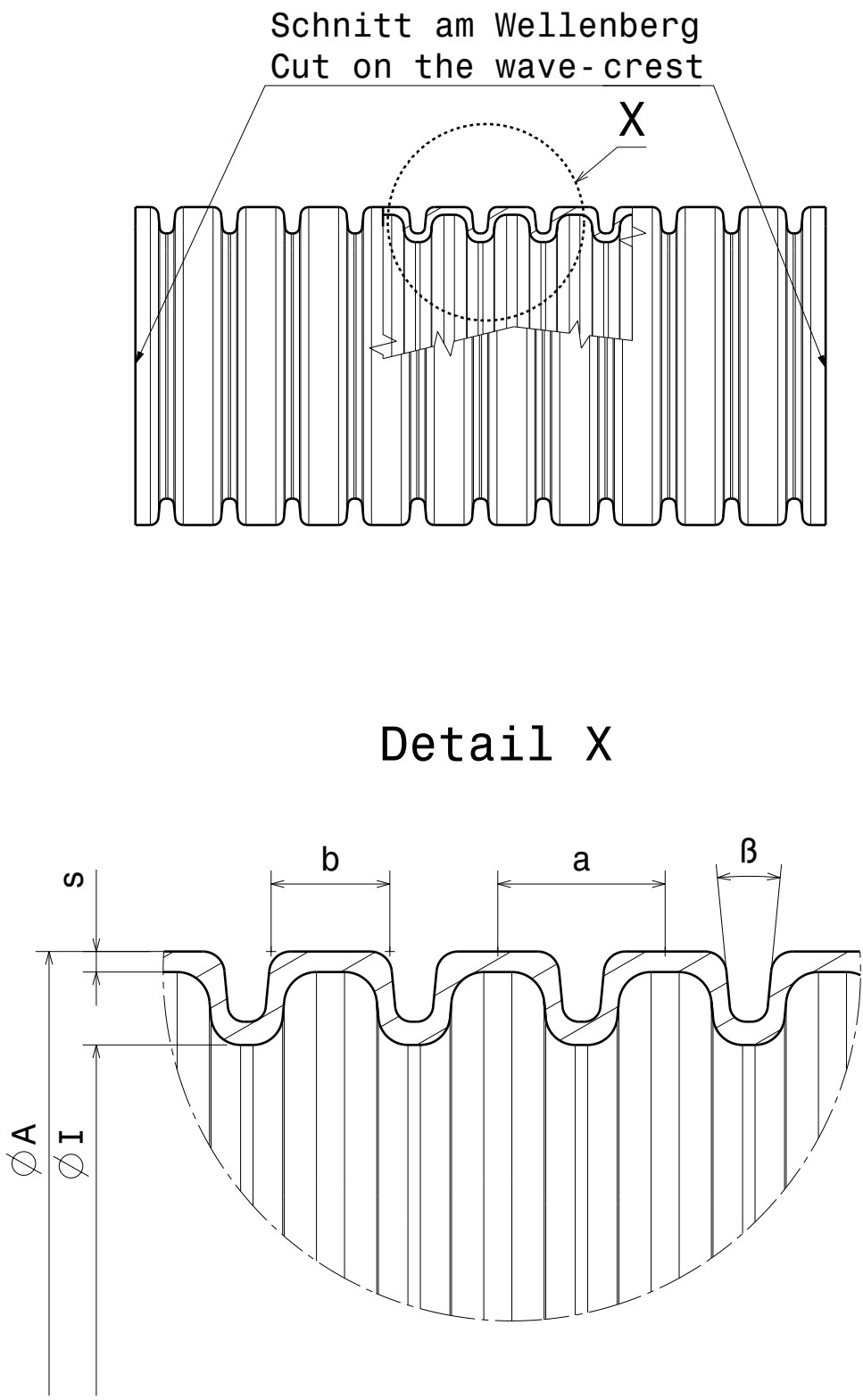
EXPLANATION / COMMENTS: Report-No.: H22-1548  
(Formerly Schlemmer GmbH, Haßfurt 53-739-7536)

Is each Customer Tool properly tagged and numbered? ☒ Yes ☐ No ☒ n/a  
Organization Authorized Signature Florian Hartmann Specialist Quality Engineering PPAP 19.09.2022  
Print Name Florian Hartmann Phone No. +49 9521 9428-196 Fax no. -291  
Titel Quality Engineering Hassfurt E-Mail fhartmann@delfingen.com

## FOR CUSTOMER USE ONLY (IF APPLICABLE)

PPAP Warrant Disposition: ☐ Approved ☐ Rejected ☐ Other  
Customer Signature \_\_\_\_\_ Dated \_\_\_\_\_  
Print Name \_\_\_\_\_ Customer Tracking Number (optional) \_\_\_\_\_

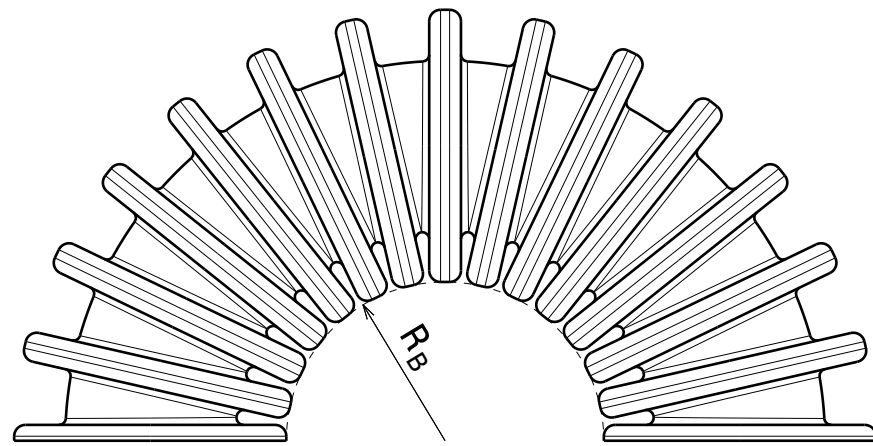
This drawing is the exclusive property of DELFINGEN and cannot be reproduced or communicated without its authorization.



| grüner Streifen / Green Stripes                     |                                                 |                                                     |                                                 | Ohne Kennzeichnung / Without Marking                |                                                 |                                                     |                                                 | Nenn-<br>weite<br>Nominal<br>Width<br>NW | ØA<br><br>mm | ØI<br><br>mm | a<br><br>mm | b<br><br>mm | s<br><br>mm | β<br>±4°<br>Grad<br>Degree | Biege- <sup>2)</sup><br>radius<br>Bending-<br>radius<br>R <sub>s</sub> [mm] | Gewicht<br>ca.<br>Weight<br>Approx.<br>g/m |
|-----------------------------------------------------|-------------------------------------------------|-----------------------------------------------------|-------------------------------------------------|-----------------------------------------------------|-------------------------------------------------|-----------------------------------------------------|-------------------------------------------------|------------------------------------------|--------------|--------------|-------------|-------------|-------------|----------------------------|-----------------------------------------------------------------------------|--------------------------------------------|
| Ringware / Coil                                     |                                                 | Container                                           |                                                 | Ringware / Coil                                     |                                                 | Container                                           |                                                 |                                          |              |              |             |             |             |                            |                                                                             |                                            |
| EDV-Art.-Nr.<br>ungeschlitzt<br>Part- No.<br>Unslit | EDV-Art.-Nr.<br>geschlitzt<br>Part- No.<br>Slit | EDV-Art.-Nr.<br>ungeschlitzt<br>Part- No.<br>Unslit | EDV-Art.-Nr.<br>geschlitzt<br>Part- No.<br>Slit | EDV-Art.-Nr.<br>ungeschlitzt<br>Part- No.<br>Unslit | EDV-Art.-Nr.<br>geschlitzt<br>Part- No.<br>Slit | EDV-Art.-Nr.<br>ungeschlitzt<br>Part- No.<br>Unslit | EDV-Art.-Nr.<br>geschlitzt<br>Part- No.<br>Slit |                                          |              |              |             |             |             |                            |                                                                             |                                            |
| 1931920                                             | 1931904                                         | 1931922                                             | 1931923                                         | 1926601                                             | 1931744                                         | 1931604                                             | 1931704                                         | 4,5                                      | 7,1          | 5,0          | 2,2         | 1,2         | 0,17-0,51   | 30                         | 12                                                                          | 9                                          |
| 1931924                                             | 1931906                                         | 1931926                                             | 1931927                                         | 1931806                                             | 1931746                                         | 1931606                                             | 1931706                                         | 6                                        | 9,2          | 6,0          | 2,8         | 1,7         | min.0,17    | 26                         | 10                                                                          | 14                                         |
| 1931928                                             | 1931907                                         | 1931930                                             | 1931931                                         | 1926600                                             | 1926694                                         | 1931607                                             | 1931707                                         | 7,5                                      | 9,9          | 6,9          | 2,6         | 1,8         | 0,17-0,51   | 11                         | 15                                                                          | 12                                         |
| 1931932                                             | 1931933                                         | 1931934                                             | 1931935                                         | 1926602                                             | 1931748                                         | 1931608                                             | 1931708                                         | 8,5                                      | 11,6         | 8,5          | 2,3         | 1,4         | 0,17-0,51   | 20                         | 18                                                                          | 13                                         |
| 1931936                                             | 1931937                                         | 1931938                                             | 1931939                                         | 1931810                                             | 1931750                                         | 1931610                                             | 1931710                                         | 10                                       | 12,7         | 10,1         | 2,7         | 1,8         | 0,17-0,64   | 20                         | 18                                                                          | 14                                         |
| 1931940                                             | 1931941                                         | 1931942                                             | 1931943                                         | 1931812                                             | 1931752                                         | 1931612                                             | 1931712                                         | 12                                       | 15,6         | 12,0         | 3,1         | 2,2         | min.0,17    | 11                         | 20                                                                          | 21                                         |
| 1931944                                             | 1931945                                         | 1931946                                             | 1931947                                         | 1931813                                             | 1931753                                         | 1931613                                             | 1931713                                         | 13                                       | 15,8         | 12,9         | 2,7         | 1,8         | 0,17-0,51   | 11                         | 22                                                                          | 23                                         |
| 1931948                                             | 1931949                                         | 1931950                                             | 1931951                                         | 1931814                                             | 1931754                                         | 1931614                                             | 1931714                                         | 14                                       | 18,3         | 14,5         | 3,2         | 2,3         | min.0,17    | 11                         | 25                                                                          | 28                                         |
| 1931952                                             | 1931953                                         | 1931954                                             | 1931955                                         | 1931816                                             | 1931756                                         | 1931616                                             | 1931716                                         | 16                                       | 18,8         | 15,2         | 2,5         | 1,5         | min.0,17    | 18                         | 25                                                                          | 28                                         |
| 1931956                                             | 1931957                                         | 1931958                                             | 1931959                                         | 1931985                                             | 1931757                                         | 1931617                                             | 1931717                                         | 17                                       | 21,0         | 16,8         | 3,2         | 2,2         | 0,17-0,51   | 11                         | 30                                                                          | 30                                         |
| 1931960                                             | 1931961                                         | 1931962                                             | 1931963                                         | 1931819                                             | 1931759                                         | 1931619                                             | 1931719                                         | 19                                       | 24,0         | 19,4         | 3,1         | 2,2         | 0,17-0,51   | 11                         | 35                                                                          | 38                                         |
| 1931964                                             | 1931965                                         | 1931966                                             | 1931967                                         | 1931822                                             | 1931762                                         | 1931622                                             | 1931722                                         | 22                                       | 25,5         | 21,8         | 3,1         | 2,2         | min.0,20    | 11                         | 37                                                                          | 44                                         |
| 1931968                                             | 1931969                                         | 1931970                                             | 1931971                                         | 1931823                                             | 1931763                                         | 1931623                                             | 1931723                                         | 23                                       | 28,0         | 23,7         | 3,1         | 2,2         | 0,20-0,77   | 11                         | 42                                                                          | 53                                         |
| 1931972                                             | 1931973                                         | 1931974                                             | 1931975                                         | 1931826                                             | 1931766                                         | 1931626                                             | 1931726                                         | 26                                       | 31,3         | 26,4         | 3,1         | 2,2         | min.0,25    | 11                         | 47                                                                          | 64                                         |
| 1931976                                             | 1931979                                         | 1931978                                             | 1931984                                         | 1931829                                             | 1931779                                         | 1931629                                             | 1931729                                         | 29                                       | 33,9         | 29,3         | 3,4         | 2,3         | min.0,25    | 11                         | 60                                                                          | 66                                         |
| 1931980                                             | 1931981                                         | 1931982                                             | 1931983                                         | 1931837                                             | 1931764                                         | 1931637                                             | 1931737                                         | 37                                       | 42,0         | 36,7         | 3,9         | 2,8         | min.0,30    | 12                         | 70                                                                          | 98                                         |
| AHW - Profile                                       |                                                 |                                                     |                                                 |                                                     |                                                 |                                                     |                                                 |                                          |              |              |             |             |             |                            |                                                                             |                                            |
| 1931458                                             | 1931858                                         | 1931258                                             | 1931358                                         | 1931459                                             | 1931559                                         | 1931658                                             | 1931758                                         | 8,5 AHW                                  | 12,9         | 8,5          | 3,1         | 2,1         | 0,17-0,51   | 18                         | 17                                                                          | 22                                         |
| 1931461                                             | 1931561                                         | 1931261                                             | 1931361                                         | 1931861                                             | 1931862                                         | 1931661                                             | 1931761                                         | 11 AHW                                   | 15,7         | 11,1         | 3,1         | 2,1         | 0,17-0,51   | 18                         | 22                                                                          | 26                                         |
| 1931465                                             | 1931565                                         | 1931265                                             | 1931365                                         | 1931865                                             | 1931866                                         | 1931665                                             | 1931765                                         | 15 AHW                                   | 21,2         | 15,0         | 3,9         | 2,7         | 0,17-0,51   | 12                         | 30                                                                          | 39                                         |
| 1931469                                             | 1931569                                         | 1931269                                             | 1931369                                         | 1931869                                             | 1931870                                         | 1931669                                             | 1931769                                         | 19 AHW                                   | 25,7         | 19,1         | 4,3         | 2,9         | 0,17-0,51   | 12                         | 38                                                                          | 50                                         |
| 1931476                                             | 1931576                                         | 1931276                                             | 1931376                                         | 1931876                                             | 1931877                                         | 1931676                                             | 1931776                                         | 26S AHW                                  | 31,6         | 24,9         | 4,2         | 2,6         | min.0,30    | 6                          | 50                                                                          | 70                                         |
| 1931534                                             | 1931734                                         | 1931634                                             | 1931834                                         | 1927995                                             | 1927939                                         | 1951174                                             | 1951138                                         | 34 AHW                                   | 39,5         | 34,1         | 4,0         | 2,7         | 0,17-0,77   | 12                         | 69                                                                          | 73                                         |

2) Die angegebenen kleinsten Biegeradien beziehen sich auf den ungeschlitzten Wellenschlauch  
The listed smallest bending radii refer to the unslit tube

Kleinsten Biegeradius des geschlitzten Wellenschlauches:  
3 x ØI bei Füllgrad 50% bis 75%  
The smallest bending radius of the slit tube 3 x ØI provided tube is filled by 50% to 75%



| Toleranzen / Tolerances      |      |      |       |       |
|------------------------------|------|------|-------|-------|
| Nennweiten<br>Nominal Widths | ØA   | ØI   | a     | b     |
| 4,5 - 16                     | ±0,3 | ±0,3 | ±0,10 | ±0,10 |
| 17 - 29                      | ±0,4 | ±0,4 | ±0,15 | ±0,15 |
| 37                           | ±0,5 | ±0,5 | ±0,20 | ±0,20 |
| 8,5 AHW - 11 AHW             | ±0,3 | ±0,3 | ±0,10 | ±0,10 |
| 15 AHW - 26S AHW             | ±0,4 | ±0,4 | ±0,15 | ±0,15 |
| 34 AHW                       | ±0,5 | ±0,5 | ±0,20 | ±0,20 |

| Eigenschaften<br>Properties                                                        | Prüfvorschrift<br>Test<br>Specification | Prüfdauer<br>Test<br>Duration | Einheit<br>Unit | Wert<br>Value |
|------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------|-----------------|---------------|
| untere<br>Gebrauchs-<br>temperatur<br>Lower Operating<br>Temperature               |                                         | 24 h                          | °C              | -40           |
| Dauergebrauchs-<br>temperatur<br>Continuous<br>Operating<br>Temperature            |                                         | 3000 h                        | °C              | +105          |
| obere<br>Gebrauchs-<br>temperatur,<br>kurzzeitig<br>Upper Operating<br>Temperature |                                         | 350 h                         | °C              | +135          |
| Brennbarkeit<br>Inflammability                                                     | FMVSS 302 <sup>1)</sup>                 |                               |                 | <100mm/min    |
| max. Füllgrad<br>Filling Volume                                                    |                                         |                               | %               | 80            |

<sup>1)</sup> in Anlehnung an FMVSS 302  
in accordance with FMVSS 302

**Kennzeichnung:**  
Endloser axialer grüner Streifen alternierend mit Tintenstrahlbedruckung  
S.R.S >PP< NW xx (AHW) YY  
Bezeichnung in Klammern nur wo zutreffend  
Abstand Schriftende zu nächstem Schriftanfang: 450 mm ± 50 mm  
YY: 2-stelliges Kennzeichen des Herstelllandes nach EN ISO 3166

**Marking:**  
Endless axial green stripes, alternating print with an ink jet  
S.R.S >PP< NW xx(AHW) YY  
Description between brakets only for appropriate types  
Distance between the end and the beginning of the next print: 450 mm ± 50 mm  
YY:Two-letter identification code for the country of manufacture  
according to EN ISO 3166

**Toleranzen für Wellenschlauch-Abschnitte:**  
1% der Gesamtlänge + Teilung a (Mitte Wellenberg zu Mitte Wellenberg)  
Endsumme auf ganze Zahl aufrunden = + Toleranz.

**Tolerances for corrugated tube pieces:**  
1% of total length + wave-length [a] (mid. crest to mid. crest).  
Total rounded up to the next whole number = + tolerance.

Der deutsche Text ist maßgebend.  
The German original text is authoritative.

|                                         |  |                    |                                            |                              |                                 |                                                                                       |                                      |  |
|-----------------------------------------|--|--------------------|--------------------------------------------|------------------------------|---------------------------------|---------------------------------------------------------------------------------------|--------------------------------------|--|
| Toleranzen/TOLERANCES                   |  | n                  | Changed the name Schlemmer to Delfingen    |                              | 05.05.21                        | Chu                                                                                   |                                      |  |
|                                         |  | m                  | Delivery unit of part no. 1931704 was 100m |                              | 26.09.16                        | Chu                                                                                   |                                      |  |
|                                         |  | l                  | Art. Nr. NW29 mit grünem Streifen geändert |                              | 05.02.13                        | Chu                                                                                   |                                      |  |
|                                         |  | k                  | Art.Nr.1931734 und 1931834 zugefügt        |                              | 29.01.13                        | Chu                                                                                   |                                      |  |
| Oberflächengüte/SURFACE FINISH          |  | Index              | Kurzbeschreibung/SHORT TERM                |                              | Date/Date                       | Name                                                                                  |                                      |  |
| Farbe/COLOR                             |  | schwarz/black      |                                            |                              |                                 |                                                                                       |                                      |  |
| Werkstoff/MATERIAL                      |  | Gewicht/WEIGHT     | Massstab/SCALE                             | ISO PROJECTION<br>METHODE 1  | DIMENSIONS<br>IN<br>MILLIMETERS |                                                                                       | Erstellt mit/PRODUCED ON<br>CATIA V5 |  |
| SRS PP 2010                             |  | PP                 | / g                                        | /                            |                                 |                                                                                       |                                      |  |
| Name                                    |  | Datum              |                                            | Ersatz fuer/REPLACES DRAWING |                                 |  |                                      |  |
| Gezeichnet/<br>DRAWING BY               |  | Chu 03.12.2003     |                                            | Vom/DATED:                   |                                 |                                                                                       |                                      |  |
| Geprüft/<br>APPROVED                    |  | Schmidt 03.12.2003 |                                            | Ersatz durch/REPLACED BY     |                                 |                                                                                       |                                      |  |
|                                         |  |                    |                                            | Vom/DATED:                   |                                 |                                                                                       |                                      |  |
| Benennung/DESIGNATION                   |  |                    |                                            | Zeichnungs-Nr./DRAWING NO.   |                                 |                                                                                       | Format                               |  |
| Wellenschlauch PP<br>Corrugated Tube PP |  |                    |                                            | 19314903-FORD                |                                 |                                                                                       | A1                                   |  |
|                                         |  |                    |                                            |                              |                                 |                                                                                       | Blatt/PAGE: 01                       |  |
|                                         |  |                    |                                            |                              |                                 |                                                                                       | von/OF: 01                           |  |

## Production Part Approval - Dimensional Results

DaimlerChrysler Ford General Motors

|                                                |  |  |  |  |                                              |  |  |
|------------------------------------------------|--|--|--|--|----------------------------------------------|--|--|
| ORGANIZATION: <b>Delfingen DE Haßfurt GmbH</b> |  |  |  |  | PART NUMBER: <b>1931930</b>                  |  |  |
| SUPPLIER/VENDOR CODE: <b>34-320-6862</b>       |  |  |  |  | PART NAME: <b>PP NW7,5 SW GRN.STR. CONT.</b> |  |  |
| INSPECTION FACILITY:                           |  |  |  |  | DESIGN RECORD CHANGE LEVEL: <b>n</b>         |  |  |
|                                                |  |  |  |  | ENGINEERING CHANCE DOCUMENTS:                |  |  |

| ITEM | DIMENSION / SPECIFICATION                   | SPECIFICATION / LIMITS | TEST DATE  | QTY. TESTED | ORGANIZATION MEASUREMENT RESULTS (DATA) | OK | NOT OK |
|------|---------------------------------------------|------------------------|------------|-------------|-----------------------------------------|----|--------|
| 1    | A-Ø                                         | 9,9 +/- 0,3 mm         | 25.08.2022 | 3 St.       | 9,92 - 9,98 mm                          | x  |        |
| 2    | I-Ø                                         | 6,9 +/- 0,3 mm         | 25.08.2022 | 3 St.       | 6,92 - 6,98 mm                          | x  |        |
| 3    | a                                           | 2,6 +/- 0,10 mm        | 25.08.2022 | 3 St.       | 2,61 - 2,64 mm                          | x  |        |
| 4    | b                                           | 1,8 +/- 0,10 mm        | 25.08.2022 | 3 St.       | 1,79 - 1,82 mm                          | x  |        |
| 5    | s                                           | 0,17 - 0,51 mm         | 25.08.2022 | 3 St.       | 0,20 - 0,24 mm                          | x  |        |
| 6    | angle                                       | 11° +/- 4°             | 25.08.2022 | 3 St.       | 11° - 12°                               | x  |        |
| 7    |                                             |                        |            |             |                                         |    |        |
| 8    | bending radius                              | 15 mm                  | 25.08.2022 | 3 St.       | ≥ 15 mm                                 | x  |        |
|      |                                             |                        |            |             |                                         |    |        |
|      |                                             |                        |            |             |                                         |    |        |
|      |                                             |                        |            |             |                                         |    |        |
|      |                                             |                        |            |             |                                         |    |        |
|      | flammability acc. FMVSS 302<br>< 100mm/min. |                        | 25.08.2022 | 3 St.       | < 100 mm/min                            | x  |        |
|      |                                             |                        |            |             |                                         |    |        |
|      | Material                                    | SRS PP 2010            |            |             | SRS PP 2010                             | x  |        |
|      |                                             |                        |            |             |                                         |    |        |
|      | marking                                     | acc. drawing           |            |             | green text + stripes                    | x  |        |
|      |                                             |                        |            |             |                                         |    |        |
|      |                                             |                        |            |             |                                         |    |        |
|      |                                             |                        |            |             |                                         |    |        |
|      |                                             |                        |            |             |                                         |    |        |
|      |                                             |                        |            |             |                                         |    |        |
|      |                                             |                        |            |             |                                         |    |        |
|      |                                             |                        |            |             |                                         |    |        |
|      |                                             |                        |            |             |                                         |    |        |
|      |                                             |                        |            |             |                                         |    |        |
|      |                                             |                        |            |             |                                         |    |        |

Blanket statements of conformance are unacceptable for any test results.

Florian Hartmann  
Specialist Quality Engineering PPAP




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|                  |                                |             |
|------------------|--------------------------------|-------------|
| <u>SIGNATURE</u> | <u>TITLE</u>                   | <u>DATE</u> |
| Florian Hartmann | Quality Engineering<br>Haßfurt | 19.09.2022  |

# Material Identification

PPST

several colors available

| Properties                           | Value        | Unit    | Test Conditions  |                         |
|--------------------------------------|--------------|---------|------------------|-------------------------|
| General                              |              |         |                  |                         |
| Density <sup>1)</sup>                | 0,91         | g/cm3   | 23 °C            | ISO 1183                |
| Melt Flow Rate (MFR)                 | 1,2          | g/10min | 230 °C / 2.16 kg | ISO 1133                |
| Mechanical                           |              |         |                  |                         |
| Tensile Modulus                      | 1250         | MPa     | 1 mm/min         | ISO 527-1/-2            |
| Tensile Stress at Yield              | 23           | MPa     | 50 mm/min        | ISO 527-1/-2            |
| Tensile Strain at Yield              | 5            | %       | 50 mm/min        | ISO 527-1/-2            |
| Charpy Notched Impact Strength       | 80           | kJ/m2   | 23 °C            | ISO 179/1eA             |
|                                      | 10           | kJ/m2   | -30 °C           | ISO 179/1eA             |
| Thermal                              |              |         |                  |                         |
| Temperature of Heat Deflection       | 55           | °C      | 1.8 MPa          | ISO 75                  |
|                                      | 85           | °C      | 0.45 MPa         | ISO 75                  |
| Vicat Softening Temperature          | 148          | °C      | 10 N; 120 °C/h   | ISO 306                 |
|                                      | 68           | °C      | 50 N; 120 °C/h   | ISO 306                 |
| Flammability                         |              |         |                  |                         |
| Burning rate                         | < 100 mm/min | Type    | ---              | FMVSS 302 <sup>1)</sup> |
| Product specifications <sup>1)</sup> |              |         |                  |                         |
| Service temperature                  | -40          | °C      | 1000h            | -                       |
|                                      | 105          | °C      | 3000h            | -                       |
| Peak temperature                     | 135          | °C      | 350h             | -                       |

1) product related - corrugated tube

The stated values fall within the normal range of properties of the base polymer out of the mixed composition unless otherwise noted. They should not be used for setting specific limits or used as a basis for design as the properties are extensively affected by the tool design and processing conditions. Users of this product are responsible for evaluating this product to ensure their own satisfaction that it is suitable for their intended uses. All information is given without warranty or guarantee. Before working with this product, users must read and familiarize themselves with the available health, safety and environmental information that is available regarding product hazards, proper use and handling.