



# Part Submission Warrant

23-EPPAP214104

Part Name 3POS, MCON 1.2 LL REC SEALED Cust. Part Number 1-1670917-1

Shown on Drawing Number C-1670917 Org. Part Number 1-1670917-1

Engineering Change Level F5 Dated 14/01/2020

Additional Engineering Changes N/A Dated N/A

Safety and/or Government Regulation ☐ Yes ☒ No Purchase Order No. N/A Weight (kg) 2.81043 g

Checking Aid Number N/A Checking Aid Engineering Change Level N/A Dated N/A

## ORGANIZATION MANUFACTURING INFORMATION

**Tyco Electronics Hungary Ltd.** /364738542

Organization Name and Supplier Code

**AMP út 2.**

Street Address

**Esztergom** **n/a** **H-2500** **Hungary**

City Region Postal Code Country

## CUSTOMER SUBMITTAL INFORMATION

**Nursan Otomotiv Ltd.**

Customer Name/Division

**N/A**

Buyer/Buyer Code

**All Models**

Application

## MATERIALS REPORTING

Has customer-required Substance of Concern information been reported  
Submitted by IMDS or other customer format

☒ Yes ☐ No ☐ n/a

71440405 / 25

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  
☐ Sub-Supplier or Material Source Change  
☐ Change in Part Processing  
☐ Parts Produced at Additional Location  
☐ Other - please specify

## 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 measurement ☒ 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

Assembly

## 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 4th Edition Requirements. I further affirm that these samples were produced at the production rate of / hours

I also certify that documented evidence of such compliance is on file and is available for review.

I have noted any deviations from this declaration below.

EXPLANATION/COMMENTS V769

Is each Customer Tool properly tagged and numbered?

☐ Yes ☐ No ☒ N/A

Organization Authorized Signature Jorge Passareiro

Date 30/01/2023

Print Name Jorge Passareiro

Phone No. (+351)266248624

Fax n/a

Title Quality Engineer

Email jorge.passareiro@te.com

## FOR CUSTOMER USE ONLY (IF APPLICABLE)

PPAP Warrant Disposition : ☐ Approved ☐ Rejected ☐ Other

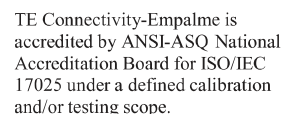
Customer Signature

Date

Print Name

Customer Tracking Number (optional)





## DIMENSIONAL TEST RESULTS

[illegible]



Bitte beachten Sie, dass Sie auf die Analysezertifikate auch bequem über Ihr BASF-Onlineportal zugreifen können.

Fax-Nr 06232302127

TE Connectivity Germany GmbH

2021-08-26

SIEMENSSTR. 13

RBU Performance Materials Europe

67346 SPEYER

Zertifikats-Nr 7429

Deutschland

**Abnahmeprüfzeugnis 3.1 nach EN 10204**

ULTRAMID® A3WG6 SCHWARZ 00564

Material 50049397

POLYAMIDE

Auftrag 3018002228 000010

1000KG PAPPE IBC

Lieferung 3194966058 000010

Ihre Bestellung

Charge 08846804N0

2550093422/TE210825-598-4

Menge 1000.000 KG

704115-1

Total 1000.000 KG

**Pruefung**

| Pruefmethode                           | Spezifikation | Pruefwert | Einheit |
|--|---------------|-----------|---------|
| Viskositätszahl                        |               |           |         |
| in Anlehnung an ISO 307(Schwefelsäure) |               |           |         |
|  | 130 - 160     | 143       | ml/g    |
| Restfeuchte                            |               |           |         |
| ISO 15512                              |               |           |         |
|  | max. 0,15     | 0,04      | %       |
| Füllstoff (Glas und / oder Mineral)    |               |           |         |
| ISO 3451                               |               |           |         |
|  | 28,0 - 32,0   | 30,3      | %       |

Die angegebenen Pruefwerte sind Mittelwerte von Pruefdaten, die  
waehrend der Produktion an der Charge ermittelt wurden.

Dr.Axel Ebenau, Abnahmebeauftragter

Bei Fragen senden Sie bitte eine E-Mail an folgende Adresse:

EPME-Certificates@basf.com

Die vorstehenden Angaben stellen die mit uns vereinbarte vertragliche Beschaffenheit des Produktes bei Gefahrübergang dar. Sie werden von uns im Rahmen unserer Qualitätssicherung regelmäßig überprüft. Diese Angaben und die Eigenschaften von Produktmustern sind keine Garantie von Eigenschaften und enthalten insbesondere keine Aussagen über die Eignung des Produktes für bestimmte Einsatzzwecke, so dass daraus keine Schadenersatzansprüche gegen uns hergeleitet werden können.

# MOMENTIVE™

Insp. certificate "3.1" EN 10204

ORIGINAL

|   |   |              |
|---|---|--------------|
| Delivery Address<br>Tyco Electronics Hungary Termelo Kf<br>AMP. út 2<br>2500 ESZTERGOM<br>HUNGARY | Print Date<br>2021.09.01                      | Page<br>1/ 2 |
|   | Customer Order Number<br>2716889265/271688927 |              |
|   | Sales Order Number<br>4785184/000010          |              |
| Certificate Recipient<br>Tyco Electronics Hungary Termelo Kf<br>Contact Person: Szilvia Ondok     | Delivery Number<br>88440342/900001            |              |
|   | Shipment Number                               |              |
|   | Container Number                              |              |

Product Name : 7056 LSR 3485/35 - drum kit (400kg)

Customer code :

This confirmation does not relieve your company from its obligation to inspect goods upon receipt. This shall at least include a visual check of the product's identity such as product designation, batch number, quality supplied, product form and transportation damage as well as visual inspection of goods for obvious defects.

|   |  |                               |           |                          |             |
|---|--|-------------------------------|-----------|--------------------------|-------------|
| transportation damage as well as visual inspection in grams for service                                 |  | Production Date<br>2021.08.23 |           | Use before<br>2023.02.14 |             |
| Batch<br>21HLVL334  |  |                               |           |                          |             |
| Characteristic  |  | Unit                          | Result    | Lower Limit              | Upper Limit |
| Viscosity A-comp. Pas<br>Method QM01 VISC0012 / 2<br>DIN 53019 Rotationviscosity<br>Cone(1°/20mm)/plate |  | Pas                           | 670       | 450                      | 1000        |
| Viscosity B-Comp. Pas<br>Method QM01 VISC0012 / 2<br>DIN 53019 Rotationviscosity<br>Cone(1°/20mm)/plate |  | Pas                           | 640       | 450                      | 1000        |
| Prep. Mixing<br>Method QM01 PRLEV006 / 1<br>Mixing Components   |  |                               | OK        |                          |             |
| Reactivity 110°C T 60<br>Prep. Cure<br>Method QM01 PRLEV010 / 1<br>Vulcanisation 10 min 175°C           |  | min                           | 2,9<br>OK | 1,6                      | 5,6         |
| Prep. Postcure<br>Method QM01 PRLOS001 / 1<br>post cure 4hours @ 200                                    |  |                               | OK        |                          |             |
| Elongation at Break<br>Method QM01 MECH0001 / 1<br>DIN 53504 S-2 Elongation                             |  | %                             | 670       | 600                      |             |

Storage conditions: Product should be stored below 43 °C

Contact person: Momentive Performance Materials  
QC Office (mail): QCRelease.EMEA@momentive.com

This document is generated by electronic means and therefore does not need to be signed.

It is hereby stated that the material above has been inspected and tested in accordance with the conditions and requirements of our specification referenced by the Momentive Performance Materials Technical Delivery Term(TDT) above. The reported properties are a summary of the lot data on file at Momentive Performance Materials drawn from complete lot. Deviations as a result of standard production variables may occur. This document is subject to our general terms of sale.



# MOMENTIVE™

Insp. certificate "3.1" EN 10204

ORIGINAL

|   |   |              |
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| Delivery Address:<br>Tyco Electronics Hungary Termelo Kf<br>AMP út 2<br>2500 ESZTERGOM<br>HUNGARY | Print Date<br>2021.09.01                      | Page<br>2/ 2 |
|   | Customer Order Number<br>2716889265/271688927 |              |
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|  |       |                               |             |                           |
|--|-------|-------------------------------|-------------|---------------------------|
| transportation damage as well as visual inspection of goods for obvious defects.                                       |       |                               |             |                           |
| Batch<br>21HLVL334   |       | Production Date<br>2021.08.23 |             | Use before:<br>2023.02.14 |
| Characteristic   | Unit  | Result                        | Lower Limit | Upper Limit               |
| Tensile strength<br>Method QM01 MECH0005 / 1<br>DIN 53504 S-2 Tensile Strength   | N/mm2 | 9,2                           | 5,5         |                           |
| Hardness Shore A<br>Method QM01 MECH0009 / 3<br>ISO 48-4 BU-Q 30.043   |       | 32                            | 29          | 38                        |
| Density<br>Method QM01 DENS0003 / 2<br>ISO 1183  | g/cm3 | 1,115                         | 1,090       | 1,130                     |
| Tear strength Crescent<br>Method QM01 MECH0006 / 1<br>ASTM D 624-B Tear Strength                                       | N/mm  | 24,0                          | 10,0        |                           |
| Oilcontent<br>Compression Set B-Stage<br>Method QM01 MECH0007 / 3<br>Compression Set 22h 175°C DIN ISO 815 BU-Q 30.041 | %     | 3,9                           | 3,8         | 4,0                       |
|  | %     | 19                            |             | 30                        |

Storage conditions: Product should be stored below 43 °C

Contact person: Momentive Performance Materials  
QC Office (mail): QCRelease.EMEA@momentive.com

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Please note that the certificates of analysis are also conveniently available on your BASF online portal.

Fax No 003250832450

TE Connectivity Belgium BVBA

2021-09-01

SIEMENSLAAN 14

RBU Performance Materials Europe

8020 OOSTKAMP

Certificate No 4539

België

**Inspection Certificate 3.1 according to EN 10204**

ULTRAMID® A3EG3 UNCOLORED  
POLYAMIDE  
25KG PLASTIC FILM BAGS  
Purchase Order/Customer Product#  
2550129808  
705248-1

|           |                      |
|-----------|----------------------|
| Material  | 50034315             |
| Order     | 3384482084 000010    |
| Delivery  | 3194975116 000010    |
| Lot       | 04193764A0           |
| Lot/Qty   | 1000.000 KG          |
| Total     | 1000.000 KG          |
| Transport | B-CW 919 / WUN-JV 20 |

.....  
**Characteristic**  
**Method**

|  | Specification | Result | Unit |
|--|---------------|--------|------|
| .....  |               |        |      |
| Viscosity number<br>acc.to ISO 307 (Sulfuric acid) | 130 - 160     | 144    | ml/g |
| Moisture content<br>ISO 15512                      | max.0,15      | 0,06   | %    |
| Reinforcing filler (glass / mineral)<br>ISO 3451   | 13,0 - 17,0   | 15,2   | %    |

The above results are means of individual test values determined on samples taken during production of the lot.

Dr.Axel Ebenau, inspection representative

If you have any further questions please send an E-mail to:

EPME-Certificates@basf.com

The aforementioned data shall constitute the agreed contractual quality of the product at the time of passing of risk. The data are controlled at regular intervals as part of our quality assurance program. Neither these data nor the properties of product specimens shall imply any legally binding guarantee of certain properties or of fitness for a specific purpose. No liability of ours can be derived therefrom.



Please note that the certificates of analysis are also conveniently available on your BASF online portal.

Fax No 003633540232

Tyco Electronics Hungary  
Termelő Kft.  
AMP út, 2

2021-09-06

2500 Esztergom

RBU Performance Materials Europe

Magyarország

Certificate No 4861

**Inspection Certificate 3,1 according to EN 10204**

ULTRAMID® B3ZG3 LS BLACK 23189  
POLYAMIDE  
1000KG Fibreboard IBC  
Purchase Order/Customer Product#  
2550185685  
1573118-4

|          |                   |
|----------|-------------------|
| Material | 50388383          |
| Order    | 3385029601 000070 |
| Delivery | 3194991807 000070 |
| Lot      | 50610667J0        |
| Lot/Qty  | 6000,000 KG       |
| Total    | 6000,000 KG       |

.....  
**Characteristic**  
**Method**

|   | Specification | Result  | Unit |
|---|---------------|---------|------|
| .....   |               |         |      |
| Viscosity number<br>acc.to ISO 307 (Sulfuric acid)          | 142 - 178     | 161     | ml/g |
| Moisture content<br>ISO 15512                               | max.0,15      | 0,08    | %    |
| Reinforcing filler (glass / mineral)<br>ISO 3451            | 13,0 - 17,0   | 14,8    | %    |
| Laser printability Nd:YAG laser<br>according to BASF method |               | positiv |      |

The above results are means of individual test values determined on  
samples taken during production of the lot.  
Dr.Axel Ebenau, inspection representative  
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