

DAIMLERCHRYSLER



Part Submission Warrant

Part Name CLP-WIR Cust. Part Number 2S7T-14197-BA
 Shown on Drawing No. 2S7T-14197-BA Org. Part Number 2S7T-14197-BA
 Engineering Change Level EE00-E-11297258-000 Dated 020422
 Additional Engineering Changes n/a Dated _____
 Safety and /or Government Regulation ☐ Yes ☒ No Purchase Order No. 111-85810 Weight (kg) 0,003
 Checking Aid No. n/a Checking Aid Engineering Change Level n/a Dated n/a

ORGANIZATION MANUFACTURING INFORMATION

HellermannTyton GmbH DUNS: 315430892

Supplier Name & Supplier/Vendor Code

Großer Moorweg 45

Street Address

Tornesch

25436

Germany

City

Region

Postal Code

Country

Production location: _____

CUSTOMER SUBMITTAL INFORMATION

Nursan Otomotiv Bulgaria Ltd.

Customer Name/Division

jpashova@nursanbulgaria.com

Buyer/Buyer Code

Application

MATERIALS REPORTING

Has customer-required Substances of Concern information been reported? ☒ Yes ☐ No ☐ n/aSubmitted by IMDS or other customer format: IMDS is accepted with ID 1177431Are polymeric parts identified with appropriate ISO marking codes? ☐ Yes ☐ No ☒ n/a

REASON FOR SUBMISSION (Check at least one)

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

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 organization's manufacturing location.

SUBMISSION RESULTS

The results for ☒ dimensional measurements ☒ material and functional tests ☐ appearance criteria ☐ statistical process packageThese results meet all design record requirements: ☒ Yes ☐ NO (If "NO" – Explanation Required)Mold / Cavity / Production Process Serial mold/ Injection moulding

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 30000 / 24 hours. 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: The article is already approved for Ford (see Yazaki approval)Enclosures: 2 x Certificates of Analysis, Yazaki approval, Process Flow ChartIs each Customer tool properly tagged and numbered? ☐ Yes ☐ No ☒ n/aOrganization Authorized Signature i.A. [Signature] i.A. [Signature] Date 15.12.2014Print Name i.A. O. Pracht i.A. D. Köster Phone No. +49 4122 701 330 FAX No. +49 4122 701 241Title PQM/ E-mail o.pracht@hellermanntyton.de



FOR CUSTOMER USE ONLY (IF APPLICABLE)

PPAP Warrant Disposition: ☐ Approved ☐ Rejected ☐ Other _____

Customer Signature _____ Date _____

Print Name _____ Customer Tracking Number (optional) _____

Production Part Approval Dimensional Test Results

Blanket statements of conformance are unacceptable for any test results.	
SIGNATURE	DATE
i.A. O. Pracht 	PQM 11.05.12
i.A. D. Köster 	11.05.12

CFG-1003

Production Part Approval Performance Test Results



Blanket statements of conformance are unacceptable for any test results.

CFG-1005

DATE _____

PQM 11.05.12

11.05.12

11.05.12



HELLERMANN TYTON
GROSSER MOORWEG 45
Tomesch, 25436
Attention: Mr Sekulle
Container ID: DTRV546

Ascend Performance Materials LLC
Nylon Plastics and Polymers
3000 Chemstrand Road
Pensacola, FL 32533
Telephone: (850) 968-7000

Certificate Date: 14-FEB-12
Delivery No: 0382081733
Shipped Qty: 47,250.000 Lbs
(21,432.600 Kgs)
Customer P.O. No: 88234/246513-20

Certificate of Analysis

This certifies that Nylon Resin shipped to you from Ascend Performance Materials LLC has been tested and found to meet required specifications.

The material purchased was produced under a Quality System that meets TS16949 + ISO9002 criteria.

This Vydyn/Ascend nylon resin meets the relevant requirements of Directive 2002/95/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment ("RoHS Directive") and Directive 2002/96/EC on waste electrical and electronic equipment ("WEEE Directive").

If you have any questions or concerns about this letter, please call the Ascend Performance Materials LLC Customer Service Department at 1-888-927-2383.

This product meets the requirements of the following specifications: ASTM D4088 PA121, ASTM D6779 PA0121, WSK-M4D0848A (ESF-M4D 82A), GMP-PA66.018, CMP NY057 AA, MS-DB41 CPN1076, FMVSS 302*, CPN3490, D4000 PA012

Material Type: VYDYNE 22HSP-HT

Batch No: AA09VY05

Date of Mfg: 09-JAN-2012

Ascend Performance Materials LLC Specification

Lot Data Property	Test Method	Min	Max	Result	Units
Relative Visc.	ASTM D789[9.34]	45.0	51.0	46.0	N/A
Viscosity Num. Sulfuric	ISO 307	136	148	139	N/A
Moisture	ASTM D6869	0.08	0.20	0.12	%
Nom. Str. @ Brk	ISO 527-1,2 / 1A	16		28	%
Strength @ Yld	ISO 527-1,2 / 1A	78		80	MPa

Note: This certificate is generated and controlled by electronic means. No signature is required. This document may not be reproduced, except in full, without written consent of the Nylon Plastics and Polymers Department, Ascend Performance Materials LLC.

All information contained in this letter is provided for informational purposes only and is not meant to alter or waive the appropriate contractual product specifications. Moisture values are representative of the product at the time it was sampled. If numerical flame spread ratings appear herein, they are not intended to reflect the hazards presented by this or any other material under actual fire conditions. Each end user should determine whether potential fire hazards are associated with the finished product, and whether this resin is suitable for the particular end use.

Ascend and Vydyn are registered trademarks of Ascend Performance Materials LLC.

Certificate of Analysis

according to EN 10204-3.1



AKRO-PLASTIC GmbH
Member of the Fieddersen Group

DESCRIPTION OF PRODUCT:

Item number: 10150-S

Material: AKROMID A3 schwarz (3706)

PRODUCTION DATA:

Lot-No.: FSO2 40130

CUSTOMER DATA:

Order-No.: 74534/246107

TESTRESULTS:

Testing:	Norm	Testing condition	Target Value	Actual Value	Unit
Residual humidity	DIN EN ISO 15512 Meth. B		$\leq 0,15$	0,07	%
Tensile modulus	ISO 527-2	1mm/min	3000 ± 500	2920	MPa
Tensile stress at yield	ISO 527-2	50mm/min	$80,0 \pm 10,0$	79,4	MPa
Elongation at yield	ISO 527-2	50mm/min	$\geq 5,0$	5,5	%
Elongation at break	ISO 527-2	50mm/min	$\geq 15,0$	20,7	%
Viscosity PA	DIN EN ISO 307, H2SO4	25°C	$140,0 \pm 15,0$	134,7	ml/g

Date of release: 01.02.2012 09:55

Remarks:

Niederzissen, 01.02.2012

Signature:

iv. Ute Bürger (inspection representative)

The raw material used in this material complies with the recommendations of the EU-Guideline 2000/53 of the European Parliament dated 18 September 2000 about old vehicles. It is confirmed herewith that the delivery meets the agreements on receipt of order.

AKRO-PLASTIC GmbH
Industriegebiet Dohrhal-Ost / Im Stiefelfeld 1 • 56651 Niederzissen
P.O.B. 67 • 56649 Niederzissen

Managing Directors: Andreas Stuber
Chairman of the Supervisory Board: Dr. Matthias von Rönn
Commercial Register Koblenz HRB 12227

Member of the Fieddersen Group

info@akro-plastic.com
www.akro-plastic.com
USt-VAT-IdNr. DE 011117257

10/2017

Part Submission Warrant 13287

Part Name	T50RFT10-HS-BK-D1		Cust. Part Number	7247776330 / 257T-14197-BA	
Shown on Drawing No.	257T-14197-BA		Org. Part Number		
Engineering Change Level	EE00-E-11297258-000		Dated	22.04.2002	
Additional Engineering Changes			Dated		
Safety and/or Government Regulation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Purchase Order No.	11185810	
Weight (kg)				0,003	
Checking Aid No.	Checking Aid Engineering Change Level		Dated		
ORGANIZATION MANUFACTURING INFORMATION			CUSTOMER SUBMITTAL INFORMATION		
Hellermann Tyton GmbH DUNS: 315430892			Yazaki Sallano de Ovar		
Supplier Name & Supplier/Vendor Code			Customer Name/Division		
Großer Moorweg 45			Buyer/Buyer Code		
Street Address					
Tornešch 25436 Germany			FORD		
City Region Postal Code Country			Application		
production location:					
MATERIALS REPORTING					
Has customer-required Substances of Concern information been reported? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No n/a					
Submitted by IMDS or other customer format: 1177431					
Are polymeric parts identified with appropriate ISO marking codes? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> n/a					
REASON FOR SUBMISSION (Check at least one)					
<input type="checkbox"/> Initial Submission <input type="checkbox"/> Change to Optional Construction or Material					
<input type="checkbox"/> Engineering Change(s) <input type="checkbox"/> Supplier or Material Source Change					
<input type="checkbox"/> Tooling: Transfer, Replacement, Refurbishment, or additional <input type="checkbox"/> Change in Part Processing					
<input type="checkbox"/> Correction of Discrepancy <input type="checkbox"/> Parts Produced at Additional Location					
<input type="checkbox"/> Tooling inactive > than 1 year <input checked="" type="checkbox"/> Other - please specify below					
regualification					
REQUESTED SUBMISSION LEVEL (Check one)					
<input checked="" type="checkbox"/> Level 1 - Warrant only (and for designated appearance items, an Appearance Approval Report) submitted to customer.					
<input type="checkbox"/> Level 2 - Warrant with product samples and limited supporting data submitted to customer.					
<input type="checkbox"/> Level 3 - Warrant with product samples and complete supporting data submitted to customer.					
<input type="checkbox"/> Level 4 - Warrant and other requirements as defined by customer.					
<input type="checkbox"/> Level 5 - Warrant with product samples and complete supporting data reviewed at organization's manufacturing location.					
SUBMISSION RESULTS					
The results for <input type="checkbox"/> dimensional measurements <input type="checkbox"/> material and functional tests <input type="checkbox"/> appearance criteria <input type="checkbox"/> statistical process package					
These results meet all design record requirements: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> NO (If "NO" - Explanation Required)					
Mold / Cavity / Production Process					
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 32100 / 24 hours.					
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:					
Is each Customer tool properly tagged and numbered? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> n/a					
Organization Authorized Signature <i>W. Kruse</i> Date 24.11.2011					
Print Name I.V. Kruse, Werner Phone No. +49 4122 701 338 FAX No.					
Title QSL E-mail w.kruse@hellermann-tyton.de					
FOR CUSTOMER USE ONLY (IF APPLICABLE)					
PPAP Warrant Disposition: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected <input type="checkbox"/> Other					
Customer Signature <i>Roberto Sousa</i> Date 25. NOV. 2011					
Print Name YAZAKI EUROPE LIMITED Customer Tracking Number (optional)					

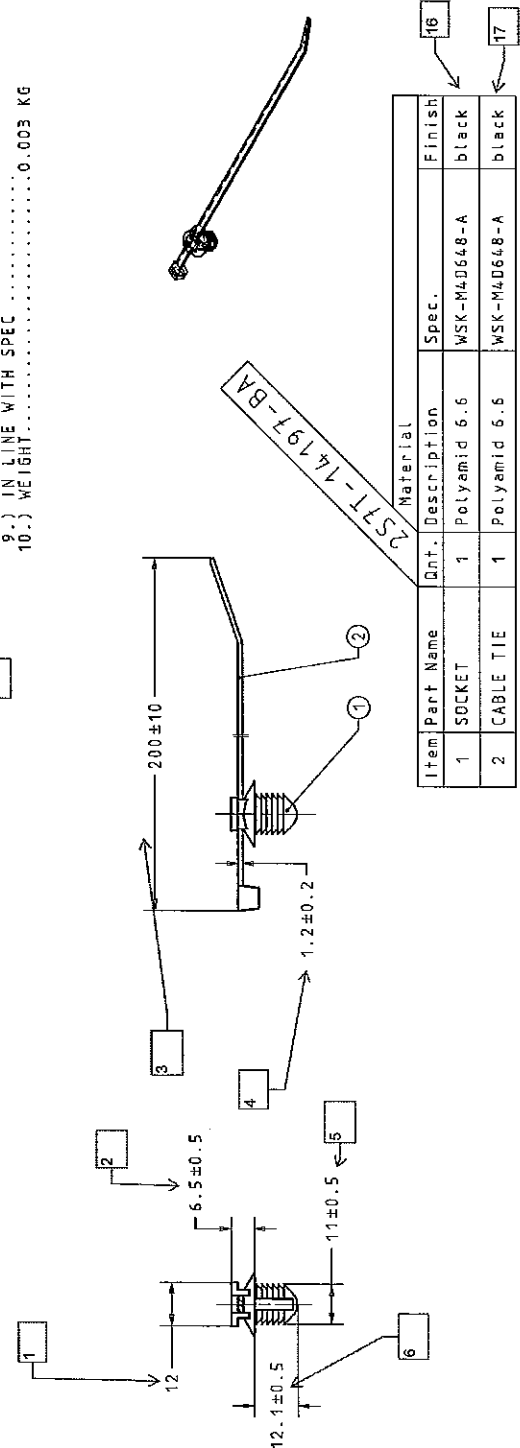
HELLERMANN TYTON														PROCESS FLOW DIAGRAM			Plan Number:		Date: 1-Sep-04		
Manchester														Part Number: None specific			Process Team: L.B.A.B. B.S.		Issue: 3		
Description: Moulded Plastic Parts																					
Operation														Operation Description			Sources of Variation / Product attributes			Risk H/M/L	
Process Step																					
Transport														Storage			Inspect			Delay	
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Sept 04
 Original 1994
 Prepared by L.Brockbank

HellermannTyton Manchester			PROCESS FLOW DIAGRAM			Plan Number:	Date: 1-Sep-04	
			Part Number: None specific	Process Team:	L.B.A.B.B.S.	Issue: 3		
			Description: Molded Plastic Parts					
Process Step	Operation	Transport	Storage	Inspect	Delay	Operation Description	Sources of Variation / Product attributes	Risk H/M/L
25	X					Book stock in for stock control		L
26	X	X				Transfer stock to packing		L
27	X					Allocate stock to packers		M
28	X					Pack goods	Issue wrong stock Wrong count	M
29				X		In process packing checks	Moisture content	L
30		X				Transfer stock to warehouse		L
31			X					
32	X					Order input	Order errors	L
33	X					Order assembly	Incorrect goods	L
34	X					Despatch	Incorrect goods	L
							Wrong address	L

Sept 04
 Original 1994
 Prepared by L.Brockbank

1. SUITABLE FOR HOLE $\phi 10.0 \pm 0.3$ MM
2. PUSH IN FORCE 40 N
3. PULL OUT FORCE 80 N
4. SUITABLE FOR MAT. THICKNESS 0.8 ± 0.5 MM
5. SUITABLE FOR WIRE SIZE $\phi 49$ MAX
6. RETAIN OF WIRE -40°C BIS +140°C
7. INSERT CONDITION (TEMP*°C) -40°C BIS +140°C
8. PACKAGE SITUATION IN LINE WITH SPEC
9. IN LINE WITH SPEC
10. WEIGHT 0.003 KG



Item	Part Name	Qty.	Description	Spec.	Finish
1	SOCKET	1	Polyamid 6.6	WSK-M4D648-A	black
2	CABLE TIE	1	Polyamid 6.6	WSK-M4D648-A	black

NOTES

THE MASTER SOURCE OF INFORMATION FOR THIS DRAWING IS IN A PE COMPUTER DATABASE. CHANGES ARE NOT PERMITTED WITHOUT JOINT AUTHORIZATION FROM THE WORLDWIDE FASTENER STANDARDS COMMITTEE AND THE RELEVANT ENGINEERING CAD ACTIVITY.

CHANGES AFFECTING DESIGN, COMPOSITION OR PROCESSING OF THE PART PREVIOUSLY APPROVED FOR PRODUCTION REQUIRE PRIOR APPROVAL FROM FORD PRODUCT ENGINEERING REF. Q101

ENGINEERING APPROVAL OF PRODUCTION SAMPLES FROM EACH SUPPLIER REQUIRED PRIOR TO AUTHORIZATION OF INITIAL PRODUCTION FOR SAMPLE REQUIREMENTS SEE ENGINEERING RELEASE.

DIMENSIONS AND INSTRUCTIONS WHICH ARE NOT DEFINED ARE LEFT TO THE SUPPLIERS DISCRETION PROVIDING THE FUNCTION OF THE PART IS NOT IMPAIRED.

SUPPLIERS REF. NR TO BE PLACED IN SUITABLE LOCATION. SIZE TO SUIT MANUFACTURER BUT MUST BE CLEARLY VISIBLE.

NOT TO BE ISSUED OUTSIDE FORD/VEH. C. LTD/FORD-WERKE A.G. OR USED FOR MANUFACTURING PURPOSES WITHOUT THE APPROVAL OF HELLERMANNTYTON.

GENERAL TOLERANCE: ± 0.3 MM

DESIGN OF FEATURES AT MANUFACTURERS DISCRETION PROVIDED PUSH IN AND PULL OUT REQUIREMENTS ARE MET.

PLASTIC PARTS MATERIAL IDENTIFICATION SYMBOL >...PA...< TO BE LOCATED AS SHOWN. SIZE TO SUIT MANUFACTURER BUT MUST BE CLEARLY VISIBLE.

LTRS	REVISIONS
ORIGINATOR	CHECKER
ENG APP	ENG APP
MATL APP	MATL APP
RELEASE OF PART	257T-14197-BA
EE00-E-11297258-000	020422
HELLERMANNTYTON	YAZAKI
KKLOUCE1	HELLERMANNTYTON

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REFERENCE	CPSC 180107
PART MUST COMPLY WITH MATERIAL SPECIFICATION WSK-M99P9999-A1 TO HELP SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT	
DRAFTED IN ACCORDANCE WITH FORD MOTOR COMPANY ENGINEERING CAD AND DRAFTING STANDARDS CURRENT AT INITIAL RELEASE	3RD ANGLE PROJ DIMENSIONS ARE IN MILLIMETERS
CAD TYPE	CAD FILE
I-10CAS	METAPH
OPER. NO.	UNIT
DESIGN	DETAIL
CHECKED	SAFETY
YAZAKI	YAZAKI
SCALE	DATE
1:1	020416
DIVISION	PLANT
CLP-WIR	
SHT 1	OF 1

Ford Motor Company