

DAIMLERCHRYSLER



Part Submission Warrant

Part Name <u>CLP-WIR</u>	Cust. Part Number <u>2S7T-14197-BA</u>		
Shown on Drawing No. <u>2S7T-14197-BA</u>	Org. Part Number <u>2S7T-14197-BA</u>		
Engineering Change Level <u>EE00-E-11297258-000</u>	Dated <u>020422</u>		
Additional Engineering Changes <u>n/a</u>	Dated _____		
Safety and /or Government Regulation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Purchase Order No. <u>111-85810</u> Weight (kg) <u>0,003</u>		
Checking Aid No. <u>n/a</u>	Checking Aid Engineering Change Level <u>n/a</u> Dated <u>n/a</u>		
ORGANIZATION MANUFACTURING INFORMATION			
HellermannTyton GmbH	DUNS: <u>315430892</u>		
Supplier Name & Supplier/Vendor Code			
Großer Moorweg 45			
Street Address			
Tornesch	<u>25436</u> Germany		
City	Region	Postal Code	Country
Production location: _____			
MATERIALS REPORTING			
Has customer-required Substances of Concern information been reported? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> n/a			
Submitted by IMDS or other customer format: <u>IMDS is accepted with ID 1177431</u>			
Are polymeric parts identified with appropriate ISO marking codes? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> n/a			
REASON FOR SUBMISSION (Check at least one)			
<input checked="" type="checkbox"/> Initial Submission <input type="checkbox"/> Engineering Change(s) <input type="checkbox"/> Tooling: Transfer, Replacement, Refurbishment, or additional <input type="checkbox"/> Correction of Discrepancy <input type="checkbox"/> Tooling inactive > than 1 year		<input type="checkbox"/> Change to Optional Construction or Material <input type="checkbox"/> Supplier or Material Source Change <input type="checkbox"/> Change in Part Processing <input type="checkbox"/> Parts Produced at Additional Location <input type="checkbox"/> Other – please specify below	
REQUESTED SUBMISSION LEVEL (Check one)			
<input type="checkbox"/> Level 1 - Warrant only (and for designated appearance items, an Appearance Approval Report) submitted to customer. <input checked="" 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 checked="" type="checkbox"/> dimensional measurements <input checked="" 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 <u>Serial mold/ Injection moulding</u>			
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 <u>30000</u> / 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: <u>The article is already approved for Ford (see Yazaki approval)</u>			
<u>Enclosures: 2 x Certificates of Analysis, Yazaki approval, Process Flow Chart</u>			
Is each Customer tool properly tagged and numbered? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> n/a			
Organization Authorized Signature	<u>i.A. O. Pracht</u>	<u>i.A. D. Köster</u>	Date <u>15.12.2014</u>
Print Name	<u>i.A. O. Pracht</u>	Phone No. <u>+49 4122 701 330</u>	FAX No. <u>+49 4122 701 241</u>
Title	<u>PQM/</u>	E-mail <u>o.pracht@hellermanntyton.de</u>	
FOR CUSTOMER USE ONLY (IF APPLICABLE)			
PPAP Warrant Disposition: <input type="checkbox"/> Approved <input type="checkbox"/> Rejected <input type="checkbox"/> Other _____			
Customer Signature _____		Date _____	
Print Name _____		Customer Tracking Number (optional) _____	

Appendix C – Production Part Approval, Dimensional Results

Production Part Approval Dimensional Test Results

DAIMLERCHRYSLER



Blanket statements of conformance are unacceptable for any test results.

SIGNATURE

DATE

March
2004

CFG-1003

J.A.Q. Pracht

POM 11.05.12

www.GV.it

J.A. D. Köster

11.05.12

Appendix E – Production Part Approval, Performance Test Results

Production Part Approval Performance Test Results

DAIMLERCHRYSLER



Blanket statements of conformance are unacceptable for any test results.

SIGNATURE

DATE

J. A. G. Pracht

PQM 11.05.12

J. A. D. Koenig

11.05.12

Appendix D – Production Part Approval, Material Test Results

Production Part Approval Material Test Results

DAIMLERCHRYSLER



Blanket statements of conformance are unacceptable for any test results.

March 2006 CFG-1004

SIGNATURE	TITLE	DATE
i.A. O. Pracht 	PQM	11.05.12
i.A. D. Köster 		11.05.12



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

HELLERMANN TYTON
GROSSER MOORWEG 45
Tornesch, 25436
Attention: Mr Sekulic
Container ID: DTRV546

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 Vydyné/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 D4068 PA121, ASTM D6779 PA0121, WSK-M4D848A (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

<u>Lot Data</u>	<u>Property</u>	<u>Test Method</u>	<u>Min</u>	<u>Max</u>	<u>Result</u>	<u>Units</u>
	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 Vydyné are registered trademarks of Ascend Performance Materials LLC.



Certificate of Analysis

according to EN 10204-3.1

AKRO-PLASTIC GmbH
Member of the Faddersen Group

DESCRIPTION OF PRODUCT:

Item number: 10150-S

Material: AKROMID A3 schwarz (3706)

PRODUCTION DATA:

Lot-No.: FS02 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		<= 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 ± 10,0	79,4	MPa
Elongation at yield	ISO 527-2	50mm/min	>= 5,0	5,5	%
Elongation at break	ISO 527-2	50mm/min	>= 15,0	20,7	%
Viscosity PA	DIN EN ISO 307, H ₂ SO ₄	25°C	140,0 ± 15,0	134,7	ml/g

Date of release: 01.02.2012 09:55

Remarks:

Niederzissen, 01.02.2012

Signature:

(v. 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 BrohRat-Ost / Im Stiefefeld 1 • 56651 Niederzissen
P.O.B. 67 • 56649 Niederzissen

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

Member of the Faddersen Group

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



Part Submission Warrant 13287

Part Name	T50RFT10-HS-BK-D1	Cust. Part Number	7247776330/2S7T-14197-BA
Shown on Drawing No.	2S7T-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
Checking Aid No.		Weight (kg)	0,003
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		Application	FORD
Terneesch	25436	Germany	
City	Region	Postal Code	Country
production location:			
MATERIALS REPORTING			
Has customer-required Substances of Concern information been reported? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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 requalification		
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 <u>W. Kruse</u> Date 24.11.2011			
Print Name I.V. Kruse, Werner Phone No. +49 4122 701 338 FAX No.			
Title QSL	E-mail w.Kruse@hellermanntyton.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 <u>YAZAKI EUROPE LIMITED</u> Date 25.Nov.2011			
Print Name Customer Tracking Number (optional)			

PROCESS FLOW DIAGRAM				Plan Number:	Page 1 of 2	Date:	1-Sep-04
				Process Team:	L.B.A.B. B.S.	Issue:	3
Operation Step	Operation Description			Sources of Variation / Product attributes			Risk H/M/L
1	X	X	X	Goods In Inspection of Raw Material Check Documentation	Conformation to note, Transit Damage, Documentation		L
2		X	X	Certification for Material	Conformation to drawing		L
3		X		Move material to stock/Fill silo	Material not to spec.		L
4							L
5	X			Store Material	Damage to packaging Stock Control Data		L
6	X			Add stock label			L
7		X	:				L
8	X		X	Generate works order	Incorrect material ordered.		L
9		X	X	Check correct material ordered and issued	Incorrect quantity selected		L
10		X	X	Check correct quantities			L
11	X			Deliver material to blending area			
12	X			Issue material to machine allocation sheet SS4	Wrong mix	I/M	
13	X			Post batch No. at machine	Wrong No.	L	
14	X			plan production	Incorrect planning	L	
15	X			Request tool	Tool not ready	L	
16	X			Deliver tool	None	L	
17	X			Install tool in machine	Wrong tool	L	
18	X			Set up machine	Incorrect settings	L	
19	X			First off check		L	
20	X			Commence production		L	
21			X	First off check		L	
22	X			Commence bulk production		L	
23			X	In process inspection	Moulding faults	MH	
24			X	In process testing		L	

Sept 04
Original 1994
Prepared by L.Brockbank

PROCESS FLOW DIAGRAM		Plan Number:	Page 2 of 2	Date:
		Process Team:	I.B.A.B.B.S.	1-Sep-04
		Description:	Moulded Plastic Parts	Issue:
Process Step	Operation	Operation Description	Sources of Variation / Product attributes	Risk H/M/L
25	X	Transport		L
26	X	Storage		L
27	X	Inspected		M
28	X	Delayed		M
29	X	Book stock in for stock control		L
		Transfer stock to packing	Issue wrong stock	
		Allocate stock to packers	Wrong count	
		Pack goods	Moisture content	
30	X	In process packing checks		L
		Transfer stock to warehouse		L
31	X			
32	X	Order input	Order errors	L
33	X	Order assembly	Incorrect goods	0
34	X	Despatch	Incorrect goods	L
			Wrong address	L

Sept 04
Original 1994
Prepared by L.Brockbank

