YAZAKI **Part Submission Warrant** DaimlerChrysler Ford General Motors 1.5mm FEMALE MAT SEAL CAVITY PLUG LU5T-14A666-BPA Part Name Cust. Part Number Shown on Drawing No. LU5T-14A666-BPA 7173-4534-40 A5 / AELE-E-11784007-567 15-01-2019 Engineering Change Level Additional Engineering Changes N/A N/A Safety and/or Government Regulation ☐ Yes ✓ No Purchase Order No. Weight (kg) 0,0001 N/A Checking Aid No. N/A Checking Aid Engineering Change Level N/A Dated ORGANIZATION MANUFACTURING INFORMATION **CUSTOMER SUBMITTAL INFORMATION** YAZAKI EUROPE LTD 323047696 NURSAN Organization Name & Supplier/Vendor Code Richard-Byrd-Strasse 4-6a Buyer/Buyer Code NRW D-50829 Cologne Germany **FORD** Region Postal Code Country MATERIALS REPORTING ✓ Yes ☐ No Has customer-required Substances of Concern information been reported? n/a **IMDS** Submitted by IMDS or other customer format: IMDS ID: 831731191 / 1 Are 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 Parts produced at Additional Location Correction of Discrepancy Tooling Inactive > than 1 year Other - please specify below Customer Request REQUESTED SUBMISSION LEVEL (Check one) Level 1 - Warrant only (and for designated appearance items, an Appearance Approval Report) submitted to customer. 1 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 package ✓ Yes □ NO (If "NO" - Explanation Required) These results meet all drawing and specification requirements: **YA-1 / 8 OF 8 / MOLDING** Mold / Cavity / Production Process 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 15064 / 8 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? ☐ No Yes √ n/a Telmo Oliveira Date 16 April 2021 Organization Authorized Signature Phone No. **+351 256 246 764** Print Name Telmo Oliveira FAX No.

E-mail telmo.oliveira@yazaki-europe.com

Customer Tracking No. (optional)

Date

FOR CUSTOMER USE ONLY (IF APPLICABLE)

Other

Rejected

QΕ

Customer Signature

Print Name

PPAP Warrant Disposition:

Approved

Title



# Production Part Approval Dimensional Results

## Partes Aprobadas de Producción Resultados Dimensionales

SUPPLIER/PROVEEDOR:
INSP. FACILITY/PLANTA DE INSP.:
ENG.LEVEL/NIVEL DE ING.:
Nº. OF CAVITIES/No DE CAVIDAD:
DRAWING/PLANO:

DIE No./No. DE DADO-MOLDE:

YCC				
YCC				
A5	_			
8 OF 8	_			
CUSTOMER FORD				
YA-1				

YCC CONTROL NUMBER:

CUSTOMER PART No./No. PARTE DEL CLIENTE:

YAZAKI PART No./No. PARTE YAZAKI:

PART NAME/NOMBRE DE PARTE:

CAVITY PLUG

2012-2006

LU5T-14A666-BPA

7173-4534-40

1.5mm FEMALE MAT SEAL

ITEM N	lo/	SPEC / ESPECI	ESPECIFICACION SUPPLIER I			SUPPLIER MEASUREMENT/RESULTADOS DIMENSIONALES.			Date/	Inspect by/	Dev./	OK	NOT OK				
DIM. No.		DIMENSION	- TOL.	+ TOL.	CAV. 1	CAV. 2	CAV. 3	CAV. 4	CAV. 5	CAV. 6	CAV. 7	CAV. 8	Fecha	Inspec. Por	Des.		NG
1		3.00	0.30	0.30	2.97	2.95	2.96	2.94	2.96	2.96	2.97	2.95	12/13/20	L. GARCIA		*	
2		15.20	0.50	0.50	15.22	15.25	15.24	15.22	15.22	15.20	15.21	15.20	12/13/20	L. GARCIA		*	
3	Т	6.00	0.30	0.30	5.99	6.01	6.00	5.99	6.01	6.01	6.00	6.01	12/13/20	L. GARCIA		*	
	В				5.98	6.00	5.98	5.97	5.98	6.00	5.99	6.00	12/13/20	L. GARCIA		*	
4		R 0.50	0.20	0.20	0.329	0.439	0.354	0.402	0.402	0.402	0.402	0.402	12/13/20	L. GARCIA		*	
5		Ø 2.85	0.10	0.10	2.82	2.83	2.83	2.82	2.83	2.83	2.83	2.84	12/13/20	L. GARCIA		*	
6	IN	Ø 1.90	0.15	0.15	1.93	1.93	1.91	1.93	1.92	1.92	1.93	1.92	12/13/20	L. GARCIA		*	
	Х				1.92	1.92	1.90	1.92	1.92	1.94	1.93	1.92	12/13/20	L. GARCIA		*	
	Υ				1.93	1.93	1.92	1.93	1.92	1.92	1.92	1.93	12/13/20	L. GARCIA		*	
(	OUT				1.93	1.94	1.93	1.94	1.93	1.94	1.94	1.93	12/13/20	L. GARCIA		*	
	Х				1.92	1.93	1.94	1.93	1.93	1.93	1.93	1.93	12/13/20	L. GARCIA		*	
	Υ				1.93	1.94	1.93	1.93	1.93	1.93	1.94	1.94	12/13/20	L. GARCIA		*	
				AL	.L N	OTI	ES /	4RE	: IN	COI	MPL	IAN	CE				
Notes/Notas:																	
					AL												
Review By/ Revisado Por: L. GARCIA																	
	Approved By /Aprobado Por: E. CARMONA																

PAGE1/1 QA-059-E

32K1 ADD	DO4 BILL OF M	IATERIAL INQUI	RY	21/02/05 15: 25: 44
PARENT I T	TEM : <u>7173-4534-40</u> 1.5MM FEMALE MAI SEAL C		F1: ECN INQUI	
	CHILD ITEM		QUANTITY REQUIRED UOM	DATE DATE EFFEC. DISC.
01	BAG-PLA-008 70X80 CM BOLSA DE PLASTI		000.00005 EA	181025 000000
01	BAGPLA013	7 2 PUR CMP	000.00100 EA	181203 000000
01	BOLSA PLASTICO 15X25 CM BOXCORO04 14 11/16X10 1/4X7 3/4 1/	7 2 PUR CMP	000.00025 EA	181203 000000
01	CON-PLA-001	7 2 PUR CMP	000.00005 EA	181025 000000
01	CON PLAS NO 1(48X38X10.4 LAB-PAP-001 ETIQUETA PARA CAJA	7 2 PUR CMP	000.00025 EA	181203 000000
01	LAB-PAP-002 PAPER LABEL	7 2 PUR CMP	000.00100 EA	181203 000000
01	PAPER LABEL PALW00001 47X44X4X 1/2 IN SIZE B P	,	000. 00025 EA	190711 000000

FUN = 'BLANK' DISPLAYS ACTIVE ITEM ONLY ALL: DISPLAY ALL ITEM ROLL CMD3: END CMD7: WHERE USED INQUIRY

32K1 ADD0	DO4 BILL OF M	ATERIAL INQUI	RY	21/02/05 15: 25: 44
PARENT I TENT	TEM : 7173-4534-40 1.5MM FEMALE MAI SEAL C	ECN:	F1: ECN INQUI	RY 15. 25. 44
LEVEL SF	_ T. SMINI FEMALE MAT SEAL C	T O DEP LIN	QUANTITY REQUIRED UOM	DATE DATE EFFEC. DI SC.
01	TAP-PLA-001 SHUR TAPE 2"X100 M	7 2 PUR CMP	000.00050 KG	190619 000000
01	854300441058 PF PBT CRAS CE2560 NC010	3 3 FOO CMP GRAY	000.00161 KG	181025 000000
02	85430044	4 2 PUR CMP	000.96000 KG	150130 000000
02	PF PBT CRAS CE2560 NC010 87091058 NB72620047 GRAY PBT-G	NATUR 4 2 PUR CMP	000.04000 KG	150130 000000

FUN = 'BLANK' DISPLAYS ACTIVE ITEM ONLY ALL: DISPLAY ALL ITEM ROLL CMD3: END CMD7: WHERE USED INQUIRY

Letter 1 of 1 Page 1 of 6



DuPont Washington Works Certification Office P.O. Box 1217 Washington, WV 26181-1217

February 02, 2021

AUTOCONECTORES DE CHIHUAHUA ELCOM S. DE RL. DE C.V. ISHIKAWA NO. 1400 PARQU QUALITY ASSURANCE PARQUE INDUSTRIAL SUPRA Chihuahua - CHI 31137 DU PONT ORDER NO: 2500863042
CUSTOMER PO NO: K1210010271
DELIVERY DATE: 02/02/21
DELIVERY NO: 7801687362

FAX NUMBER:

THIS IS TO ADVISE THAT THE PRODUCT LISTED BELOW HAS BEEN CLASSIFIED STANDARD PRODUCT. TEST DATA ARE ATTACHED WHICH SHOW COMPLIANCE TO THE INDICATED SPECIFICATION.

#### QUALITY ASSURANCE MANAGER

PRODUCT(S)	LOT(S)	<u>QTY</u> Kgs	<u>Lbs</u>	SPECIFICATION(S)
CRASTIN® HR5330HF NC010 25 KG BAG CPN:85434009	NSBULR9101	1000.00	2204.00	DU PONT STD SPEC
CRASK602 BK851 25 KG PE BAG CPN:85430034	EUQUKF3204	3000.00	6612.00	DU PONT STD SPEC
CRASTIN® CE2560 BK503 25 KG PE BAG POLYESTER RESIN CPN:85430045	EUTUJ97203	7000.00	15428.00	DU PONT STD SPEC

THIS PRODUCT CERTIFICATION IS NON-TRANSFERABLE and IS VALID ONLY TO THE FIRST END-USER PURCHASING THIS PRODUCT DIRECTLY FROM DUPONT OR FROM A DUPONT-AUTHORIZED DISTRIBUTOR. PRODUCT AND/OR PRODUCT CERTIFICATION OBTAINED FROM AN UNAUTHORIZED SOURCE IS ASSUMED COUNTERFEIT, AND DUPONT MAKES NO WARRANTIES AND ASSUMES NO LIABILITY IN CONNECTION WITH THE USE OF PRODUCT OR PRODUCT CERTIFICATION OBTAINED FROM AN UNAUTHORIZED SOURCE. Call 1-800-441-0575 for a list of authorized distributors in your area. Copyright © 2019 DuPont . All Rights Reserved. No portion of this work may be reproduced in whole or in part by any electronic, mechanical or other means, including xerography, photocopy, or any information storage or retrieval system, or otherwise distributed without the express permission of DuPont.

DU PONT ORDER NO: 2500863042 Page 2 of 6

PRODUCT(S)	LOT(S)	<u>QTY</u>		SPECIFICATION(S)
		<u>Kgs</u>	<u>Lbs</u>	
CRASTIN® CE2560 NC010 25 KG PE BAG	EUTUJ93103	5000.00	11020.00	DU PONT STD SPEC
POLYESTER RESIN				
CPN:85430044				

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Product: CRASTIN® HR5330HF NC010 25 KG BAG

		<u>LIMI</u>	<u>TS</u>		
TESTS	TEST METHOD	MIN	MAX	S	
LOT TEST			LOT NO: N	ISBULR9101	
Ash Content %	ISO 3451/1	28.0	32.0	30.0	
Melt Viscosity, Pa.s	ISO 11443	150.00	250.00	157.85	(01)
Water Content at Packout, %	ISO 15512		0.10	0.01	

(01) PERFORMED AT 250°C WITH A SHEAR RATE OF 1000/SEC AND A DWELL TIME OF 360 SECS USING AN ORIFICE WITH AN L/D RATIO OF 20:1 AND AN ENTRANCE ANGLE OF  $120^{\circ}$ 

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Product: CRASK602 BK851 25 KG PE BAG

		<u>LIMIT</u>	<u>'S</u>	
TESTS	TEST METHOD	MIN	MAX	RESULTS
LOT TEST			LOT NO: EU	QUKF3204
Ash Content %	ISO 3451/1	13.0	17.0	14.7
Melt Viscosity, Pa.s	ISO 11443	160	260	200
PERIODIC TEST			LAST TEST	DATE: December 2019
Deflection Temperature @1.80 MPa, °C	ISO 75-1&2			190
Density, g/cm3	ISO 1183/Method A			1.41
Notched Charpy Impact Strength @ 23C	ISO 179/1eA			5.6
Temp of melting,2nd melt,10°C/min °C	ISO 11357			224
Tensile Modulus, Mpa	ISO 527-1&2			5720
Tensile Stress @ Break, 5 Mm/Min	ISO 527-1&2			97
HISTORICAL TEST				
Flammability (Burn Rate 1 of 5), mm/min	ISO 3795			B/38.48
Flammability (Burn Rate 2 of 5), mm/min	ISO 3795			B/39.58
Flammability (Burn Rate 3 of 5), mm/min	ISO 3795			B/41.08
Flammability (Burn Rate 4 of 5), mm/min	ISO 3795			B/40.86
Flammability (Burn Rate 5 of 5), mm/min	ISO 3795			B/37.54
Flammability, mm/min	ISO 3795			B/39.51
Plaque Thickness, mm	ISO 3795			1.90

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Product: CRASTIN® CE2560 BK503 25 KG PE BAG POLYESTER RESIN

		<u>LIN</u>	<u>MITS</u>		
TESTS	TEST METHOD	MIN	MAX	RESUL	TS
LOT TEST			LOT NO: I	EUTUJ97203	
Ash Content %	ISO 3451/1	13.0	17.0	14.8	
Melt Viscosity, Pa.s	ISO 11443	120	220	168	(01)
Water Content at Packout, %	ISO 15512		0.10	0.03	

(01)

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Product: CRASTIN® CE2560 NC010 25 KG PE BAG POLYESTER RESIN

		<u>LIN</u>	<u>IITS</u>		
TESTS	TEST METHOD	MIN	MAX	RESUL	TS
LOT TEST			LOT NO: I	EUTUJ93103	
Ash Content %	ISO 3451/1	13.0	17.0	15.0	
Melt Viscosity, Pa.s	ISO 11443	100	300	170	(01)
Water Content at Packout, %	ISO 15512		0.10	0.03	

(01)

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ELCOM INC 20 BUTTERFIELD TRAIL BLVD EL PASO TX 79906-5246

Certificate of Analysis

Date: 01/28/2021

Page: 1 / 2

Your order from 01/13/2021

Order No. : K1210010074

Material No.

: 87091058

**Delivery no./Pos.** : 52413766 / 900001

Order

: 14870053

:

Material

: GYB877 PBT CRASTIN CE2

Old Material No. : NB72620047

Material-no.

: NB72620047

Batch No.

: USPH024691

Quantity

535.234 KG

On the batch, of which the consignment is a part, the following values were determined.

Inspection characteristic/-method	Specification	Result
COLOR - VISUAL		Pass
Da		0.02 CIELAB
Db		-0.45 CIELAB
DE	0.00 - 1.00	0.69 CMC
DL		1.02 CIELAB
BULK DENSITY		0.96 g/ml
Date of production		01/21/2021

The above particulars do not release the customer from the obligation to carry out an inspection of goods received.

This report does not require a signature.



ELCOM INC 20 BUTTERFIELD TRAIL BLVD EL PASO TX 79906-5246

Certificate of Analysis

Date: 01/28/2021

Page: 2 / 2

Material

: GYB877 PBT CRASTIN CE2

Material No.

: NB72620047

Batch No.

: USPH024691

Old Material No

: NB72620047

Inspection characteristic/-method

Specification

Result

Management System Certified according to ISO 9001, ISO 14001 and OHSAS 18001



