

Part Name <b>SLEEVE ASY - WIRE CONNECTOR - FEMALE</b>		Cust. Part Number <b>DU5T-14A464-AKA</b>	
Shown on Drawing No. <b>BU5T-14A464-CCA</b>		Org. Part Number <b>7283-4115-30</b>	
Engineering Change Level <b>B5 / AELE-E-11784007-268</b>		Dated <b>21-10-2013</b>	
Additional Engineering Changes <b>N/A</b>		Dated <b>N/A</b>	
Safety and/or Government Regulation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Purchase Order No. <b>N/A</b>		Weight (kg) <b>0,0068</b>
Checking Aid No. <b>N/A</b>	Checking Aid Engineering Change Level	<b>N/A</b>	Dated <b>N/A</b>

<b>ORGANIZATION MANUFACTURING INFORMATION</b>		<b>CUSTOMER SUBMITTAL INFORMATION</b>	
<b>YAZAKI EUROPE LTD</b>		<b>Nursan</b>	
Organization Name & Supplier/Vendor Code <b>323047696</b>			
<b>Robert Bosch Strasse., 43</b>			
Street Address		Buyer/Buyer Code	
<b>Cologne</b>	<b>NRW</b>	<b>D-50769</b>	<b>Germany</b>
City	Region	Postal Code	Country

  
**MATERIALS REPORTING**

Has customer-required Substances of Concern information been reported? ☒ Yes ☐ No ☐ n/a

Submitted by IMDS or other customer format: **IMDS**

IMDS ID: **558484456 / 1**

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

**Customer Request**

**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 package

These results meet all drawing and specification requirements: ☒ Yes ☐ NO (If "NO" - Explanation Required)

Mold / Cavity / Production Process **UB-1 / 8 cavities / 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 **2,244 / 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? ☐ Yes ☐ No ☒ n/a

Organization Authorized Signature **Telmo Oliveira** Date **11 November 2019**

Print Name **Telmo Oliveira** Phone No. **+351 256 245 544** FAX No.

Title **QE** E-mail **telmo.oliveira@yazaki-europe.com**

FOR CUSTOMER USE ONLY (IF APPLICABLE)

PPAP Warrant Disposition: ☐ Approved ☐ Rejected ☐ Other

Customer Signature \_\_\_\_\_ Date \_\_\_\_\_

Print Name \_\_\_\_\_ Customer Tracking No. (optional) \_\_\_\_\_

SUPPLIER/PROVEEDOR:	YCC
INSP. FACILITY/PLANTA DE INSP.:	YCC
ENG.LEVEL/NIVEL DE ING.:	B5
Nº. OF CAVITIES/Nº DE CAVIDAD:	8 OF 8
DRAWING/PLANO:	CUSTOMER FORD
DIE No./No. DE DADO-MOLDE:	UB-1

YCC CONTROL NUMBER:	<b>1908-1031</b>
CUSTOMER PART No./No. PARTE DEL CLIENTE:	DUST-14A464-AKA
YAZAKI PART No./No. PARTE YAZAKI:	7283-4115-30
PART NAME/NOMBRE DE PARTE:	SLEEVE ASY-WIRE
CONNECTOR - FEMALE	

[illegible]

Notes/Notas:

AL

Review By/ Revisado Por: I. PARRA

Approved By /Aprobado Por: A. HERNANDEZ

PARENT ITEM : 7283-4115-30 ECN : F1:ECN INQUIRY  
FUN : 1.5 SYSTEM SEALED CONNECTOR 2P

LEVEL	SF	CHILD ITEM	T	O	DEP	LIN	QUANTITY REQUIRED	UOM	DATE EFFEC.	DATE DISC.
01		BOXCOR007	7	2	PUR	CMP	000.00080	EA	131014	000000
		CAJA 15"1/16X10"1/4 14"9/16								
01		LAB-PAP-001	7	2	PUR	CMP	000.00080	EA	131014	000000
		ETIQUETA PARA CAJA								
01		PAD-CHP-003	7	2	PUR	CMP	000.00873	EA	131014	000000
		SEPARADOR 14 X 10 IN								
01		PALWOO001	7	2	PUR	CMP	000.00002	EA	131014	000000
		47X44X4X 1/2 IN SIZE B PALLET								
01		PAR-CHP-010	7	2	PUR	CMP	000.00794	EA	131014	000000
		14 1/2X10X1 3/8 126C CHPBD PAR								
01		TAP-PLA-001	7	2	PUR	CMP	000.00119	KG	180820	000000
		SHUR TAPE 2"X100 M								
01		7137-2713-50	3	2	PUR	CMP	001.00000	EA	131014	000000
		CAT.II GASKET								

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

PARENT ITEM : 7283-4115-30 ECN : \_\_\_\_\_ F1:ECN INQUIRY  
FUN : \_\_\_\_\_ 1.5 SYSTEM SEALED CONNECTOR 2P

LEVEL	SF	CHILD ITEM	T	O	DEP	LIN	QUANTITY REQUIRED	UOM	DATE EFFEC.	DATE DISC.
01		7158-4174	3	3	F00	G05	001.00000	EA	131014	000000
		2P F FRONT HOLDER								
02		BAG-PLA-008	7	2	PUR	CMP	000.00026	EA	161108	000000
		70X80 CM BOLSA DE PLASTICO NAT								
02		CON-PLA-001	7	2	PUR	CMP	000.00026	EA	161108	000000
		CON PLAS NO 1(48X38X10.4)CM								
02		85799K01	4	2	PUR	CMP	000.00121	KG	070712	000000
		HP HT Z HPA-LG2D DN000 NATURAL								
01		7183-4115-30	3	3	F00	F06	001.00000	EA	131014	000000
		1.5SYS SEA CONN 2P(F)PBT HOUS								
02		BAG-PLA-008	7	2	PUR	CMP	000.00159	EA	130529	000000
		70X80 CM BOLSA DE PLASTICO NAT								
02		CONPLA002	7	2	PUR	CMP	000.00159	EA	130529	000000
		CONT PLAS NO 2 (48X38X20)CM								

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





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

September 17, 2019

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: 2500284157  
 CUSTOMER PO NO: K1190012655  
 DELIVERY DATE: 09/17/19  
 DELIVERY NO: 7800515534  
 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

<u>PRODUCT(S)</u>	<u>LOT(S)</u>	<u>QTY</u>		<u>SPECIFICATION(S)</u>
		<u>Kgs</u>	<u>Lbs</u>	
ZYTEL® ZYHTNHPALG2D DN000 25 KG BAG CPN:85799K01	NSDTGED102	1000.00	2204.00	DU PONT STD SPEC
ZYTEL® HTNHPALG2D DG002 25 KG BAG NYLON RESIN CPN:85799K04	NSDTCBD302	1000.00	2204.00	DU PONT STD SPEC
ZYTEL® ZYT70G35HSLRA4 BK267 25 KG BAG CPN:85434017	N89THLQ201	1000.00	2204.00	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 © 2006 E.I. du Pont de Nemours and Company. All Rights Reserved. Property of E.I. du Pont de Nemours and Company. 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 E.I. du Pont de Nemours and Company.

<u>PRODUCT(S)</u>	<u>LOT(S)</u>	<u>QTY</u>		<u>SPECIFICATION(S)</u>
		<u>Kgs</u>	<u>Lbs</u>	
ZYTEL® 70G35HSL NC010 25 KG BAG CPN:85434013	N59TG8B103	1000.00	2204.00	DU PONT STD SPEC YAZAKI YPES-25-02-513
CRASTIN® CE2560 BK503 25 KG BAG POLYESTER RESIN CPN:85430045	N1STFZ0102	3000.00	6612.00	DU PONT STD SPEC
CRASTIN® CE2560 NC010 25 KG BAG POLYESTER RESIN CPN:85430044	NSUTGZ0405	2000.00	4408.00	DU PONT STD SPEC
CRASK602 NC010 25 KG PE BAG CPN:85430033	EUQTFUG401	4000.00	8816.00	DU PONT STD SPEC
CRASK602 BK851 25 KG PE BAG CPN:85430034	EUQTGVE401	2000.00	4408.00	DU PONT STD SPEC

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## DU PONT STANDARD SPECIFICATION

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Product: ZYTEL® ZYHTNHPALG2D DN000 25 KG BAG

TESTS	TEST METHOD	LIMITS		RESULTS
		MIN	MAX	
<u>LOT TEST</u>		<u>LOT NO: NSDTGED102</u>		
Melt Viscosity, Pa.s	ISO 11443	100	170	119 (01)
Water Content at Packout, %	ISO 15512		0.18	0.08

(01) PERFORMED AT 325°C WITH A SHEAR RATE OF 1000/SEC AND A DWELL TIME OF 300 SECS USING AN ORIFICE WITH AN L/D RATIO OF 20:1 AND AN ENTRANCE ANGLE OF 120°. SAMPLES ARE DRIED TO 0.03% MOISTURE PRIOR TO TESTING.

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 © 2006 E.I. du Pont de Nemours and Company. All Rights Reserved. Property of E.I. du Pont de Nemours and Company. 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 E.I. du Pont de Nemours and Company.

## DU PONT STANDARD SPECIFICATION

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Product: ZYTEL® HTNHPALG2D DG002 25 KG BAG NYLON RESIN

TESTS	TEST METHOD	LIMITS		RESULTS
		MIN	MAX	
<u>LOT TEST</u>		<u>LOT NO: NSDTCBD302</u>		
Melt Viscosity, Pa.s	ISO 11443	100	170	122 (01)
Water Content at Packout, %	ISO 15512		0.18	0.04

(01) PERFORMED AT 325°C WITH A SHEAR RATE OF 1000/SEC AND A DWELL TIME OF 300 SECS USING AN ORIFICE WITH AN L/D RATIO OF 20:1 AND AN ENTRANCE ANGLE OF 120°. SAMPLES ARE DRIED TO 0.03% MOISTURE PRIOR TO TESTING.

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 © 2006 E.I. du Pont de Nemours and Company. All Rights Reserved. Property of E.I. du Pont de Nemours and Company. 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 E.I. du Pont de Nemours and Company.

## DU PONT STANDARD SPECIFICATION

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Product: ZYTEL® ZYT70G35HSLRA4 BK267 25 KG BAG

TESTS	TEST METHOD	LIMITS		RESULTS
		MIN	MAX	
<u>LOT TEST</u>		<u>LOT NO: N89THLQ201</u>		
Ash Content %	ISO 3451/1	33	37	35
Melt Viscosity, Pa.s	ISO 11443	90	190	131
Water Content at Packout, %	ISO 15512		0.18	0.08

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**DU PONT STANDARD SPECIFICATION**

Product: ZYTEL® 70G35HSL NC010 25 KG BAG

TESTS	TEST METHOD	LIMITS		RESULTS
		MIN	MAX	
<u>LOT TEST</u>				<u>LOT NO: N59TG8B103</u>
Ash Content %	ISO 3451/1	33.0	37.0	35.5
Water Content at Packout, %	ISO 15512		0.18	0.03
<u>PERIODIC TEST</u>				<u>LAST TEST DATE: December 2018</u>
Deflection Temperature @1.80 MPa, °C	ISO 75-1&2			255
Density, g/cm3	ISO 1183/Method A			1.42
Notched Charpy Impact @ 23C, kj/m2	ISO 179/1eA			14.6
Temp of melting,2nd melt,10°C/min °C	ISO 11357			260
Tensile Modulus, Mpa	ISO 527-1&2			11900
Tensile Stress @ Break, 5mm/min, MPa	ISO 527			221

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**DU PONT COMPANY  
CUSTOMER SPECIFICATION**

Product: ZYTEL® 70G35HSL NC010 25 KG BAG

Specification: YAZAKI YPES-25-02-513

TESTS	TEST METHOD	LIMITS		RESULTS
		MIN	MAX	
<u>LOT TEST</u>		<u>LOT NO: N59TG8B103</u>		
Ash Content %	ISO 3451/1	33.0	37.0	35.5
Melt Viscosity, Pa.s	ISO 11443	120	220	197
Water Content at Packout, %	ISO 15512		0.20	0.03
<u>PERIODIC TEST</u>		<u>LAST TEST DATE: December 2018</u>		
Deflection Temperature @1.80 MPa, °C	ISO 75-1&2	245		255
Density, g/cm3	ISO 1183/Method A	1.35	1.45	1.42
Notched Charpy Impact @ 23C, kj/m2	ISO 179/1eA	9.0		14.6
Temp of melting,2nd melt,10°C/min °C	ISO 11357	250	265	260
Tensile Modulus, Mpa	ISO 527-1&2	9000		11900
Tensile Stress @ Break, 5mm/min, MPa	ISO 527	180		221

(01) PERFORMED AT 280 DEGREES C WITH A SHEAR RATE OF 1000/SE C AND A DWELL TIME OF 300 SEC. USING AN ORIFICE WITH AN L/D RATIO OF 20:1 AND AN ENTRANCE ANGLE OF 120 DEGREES. RESULTS ARE CORRECTED TO A MOISTURE CONTENT OF 0.13%.

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 © 2006 E.I. du Pont de Nemours and Company. All Rights Reserved. Property of E.I. du Pont de Nemours and Company. 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 E.I. du Pont de Nemours and Company.

## DU PONT STANDARD SPECIFICATION

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Product: CRASTIN® CE2560 BK503 25 KG BAG POLYESTER RESIN

TESTS	TEST METHOD	LIMITS		RESULTS
		MIN	MAX	
<u>LOT TEST</u>		<u>LOT NO: N1STFZ0102</u>		
Ash Content %	ISO 3451/1	13.0	17.0	14.9
Melt Viscosity, Pa.s	ISO 11443	120	220	165
Water Content at Packout, %	ISO 15512		0.10	0.00

(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°

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## DU PONT STANDARD SPECIFICATION

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Product: CRASTIN® CE2560 NC010 25 KG BAG POLYESTER RESIN

TESTS	TEST METHOD	LIMITS		RESULTS
		MIN	MAX	
<u>LOT TEST</u>		<u>LOT NO: NSUTGZ0405</u>		
Ash Content %	ISO 3451/1	13.0	17.0	14.9
Melt Viscosity, Pa.s	ISO 11443	100	300	168
Water Content at Packout, %	ISO 15512		0.10	0.02

(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°

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## DU PONT STANDARD SPECIFICATION

Product: CRASK602 NC010 25 KG PE BAG

TESTS	TEST METHOD	LIMITS		RESULTS
		MIN	MAX	
<b><u>LOT TEST</u></b>		<b><u>LOT NO: EUQTFUG401</u></b>		
Ash Content %	ISO 3451/1	13.0	17.0	14.9
Melt Viscosity, Pa.s	ISO 11443	160	260	200 (01)
Water Content at Packout, %	ISO 15512		0.10	0.03
<b><u>PERIODIC TEST</u></b>		<b><u>LAST TEST DATE: December 2016</u></b>		
Deflection Temperature @1.80 MPa, °C	ISO 75-1&2			201
Density, g/cm3	ISO 1183/Method A			1.41
Notched Charpy Impact Strength @ 23C	ISO 179/1eA			7.0
Temp of melting,2nd melt,10°C/min °C	ISO 11357			224
Tensile Modulus, Mpa	ISO 527-1&2			5790
Tensile Stress @ Break, 5 Mm/Min	ISO 527-1&2			110
<b><u>HISTORICAL TEST</u></b>				
Flammability (Burn Rate 1 of 5), mm/min	ISO 3795			B/24.00
Flammability (Burn Rate 2 of 5), mm/min	ISO 3795			B/38.20
Flammability (Burn Rate 3 of 5), mm/min	ISO 3795			B/36.55
Flammability (Burn Rate 4 of 5), mm/min	ISO 3795			B/29.88
Flammability (Burn Rate 5 of 5), mm/min	ISO 3795			B/31.62
Flammability, mm/min	ISO 3795		100	B/32.05
Plaque Thickness, mm	ISO 3795			1.89

(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°

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## DU PONT STANDARD SPECIFICATION

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Product: CRASK602 BK851 25 KG PE BAG

TESTS	TEST METHOD	LIMITS		RESULTS
		MIN	MAX	
<u>LOT TEST</u>		<u>LOT NO: EUQTGVE401</u>		
Ash Content %	ISO 3451/1	13.0	17.0	14.8
Melt Viscosity, Pa.s	ISO 11443	160	260	206

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 © 2006 E.I. du Pont de Nemours and Company. All Rights Reserved. Property of E.I. du Pont de Nemours and Company. 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 E.I. du Pont de Nemours and Company.



TO Yazaki North Americas, Inc

POLYPLASTICS CO.,LTD.  
JR SHINAGAWA EAST BLDG. 13F  
2-18-1, KONAN  
MINATO-KU, TOKYO, 108-8280 JAPAN

## CERTIFICATE OF ANALYSIS

WE HEREBY CERTIFY THAT THE UNDERMENTIONED LOT WAS DUTY  
INSPECTED AND PASSED BY OUR QUALITY CONTROL DEPARTMENT.

GRADE;COLOR NO.	<b>POLYBUTYLENE TEREPHTHALATE</b>
LOT NO.	<b>DURANEX®</b>
JUDGMENT	<b>515AC ED3002</b>
	<b>H190708D1</b>
	<b>PASS</b>

ITEM	TESTING METHOD	UNIT	<<< S P E C >>>	VALUE
MFR	ISO1133	g/10min	8.0 -- 18.0	14.4
Tensile strength	ISO527-1,2	MPa	≥ 80.0	108.5
Tensile strain	ISO527-1,2	%	≥ 1.7	4.1
Ash	ISO3451	%	12.5 - 17.5	14.7
Color	Visual	-	Within Standard	Pass
Contamination	Visual	-	None	Pass
Appearance	Visual	-	None	Pass

2019/08/05  
Approved by

QUALITY ASSURANCE DEPARTMENT  
YOICHI KUROKAWA

※according to EN 10204-3.1

※This lot complies with RoHS requirements.

DURANEX® is a registered trademark of Polyplastics Co., Ltd. in Japan and other countries.

DELIVERY: 9/23/19

Technical drawing of a mechanical component, likely a valve or fitting, showing various cross-sections and details.

**SECTION G-G (5/1)**

**SECTION C-C**

**SECTION B-B**

**DETAIL D (5/1)**

**DETAIL E (5/1)**

**DETAIL F (5/1)**

**DETAIL H (5/1)**

**DETAIL A**

**DETAIL B**

**DETAIL C**

**DETAIL G**

**DETAIL I**

**DETAIL J**

**DETAIL K**

**DETAIL L**

**DETAIL M**

**DETAIL N**

**DETAIL O**

**DETAIL P**

**DETAIL Q**

**DETAIL R**

**DETAIL S**

**DETAIL T**

**DETAIL U**

**DETAIL V**

**DETAIL W**

**DETAIL X**

**DETAIL Y**

**DETAIL Z**

**DETAIL AA**

**DETAIL AB**

**DETAIL AC**

**DETAIL AD**

**DETAIL AE**

**DETAIL AF**

**DETAIL AG**

**DETAIL AH**

**DETAIL AI**

**DETAIL AJ**

**DETAIL AK**

**DETAIL AL**

**DETAIL AM**

**DETAIL AN**

**DETAIL AO**

**DETAIL AP**

**DETAIL AQ**

**DETAIL AR**

**DETAIL AS**

**DETAIL AT**

**DETAIL AU**

**DETAIL AV**

**DETAIL AW**

**DETAIL AX**

**DETAIL AY**

**DETAIL AZ**

**DETAIL BA**

**DETAIL BB**

**DETAIL BC**

**DETAIL BD**

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**DETAIL CB**

**DETAIL CC**

**DETAIL CD**

**DETAIL CE**

**DETAIL CF**

**DETAIL CG**

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**DETAIL CU**

**DETAIL CV**

**DETAIL CW**

**DETAIL CX**

**DETAIL CY**

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**DETAIL JB**

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**DETAIL KZ**

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**DETAIL LE**

**DETAIL LF**

**DETAIL LG**

**DETAIL LH**

**DETAIL LI**

**DETAIL LJ**

**DETAIL LK**

**DETAIL LL**

**DETAIL LM**

**DETAIL LN**

**DETAIL LO**

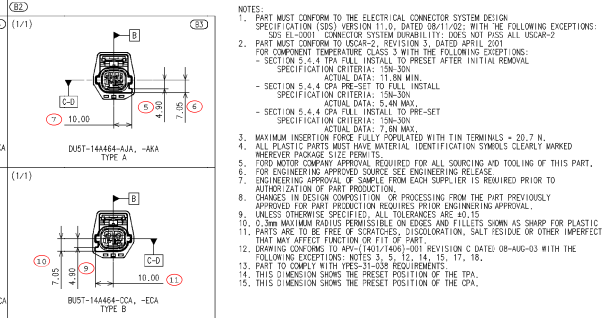
**DETAIL LP**

**DETAIL LQ**

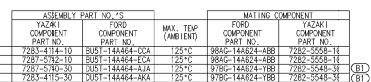
**DETAIL LR**</

GENERAL TOLERANCE											
	10 MAX	50 MAX	100 MAX	250 MAX	500 MAX	R5 MAX	R10 MAX	R20 MAX	R20 OVR	ANGLE	ECCENT
(A)	±0.15	±0.2	±0.3	±0.5	±0.75					±5°	0.1
B	±0.2	±0.3	±0.55	±0.95	±1.4	±0.2	±0.3	±0.5	±2.5	±5°	0.1
C	±0.3	±0.5	±0.8	±1.4	±2.0					±5°	0.15


ITEM	DESCRIPTION	COLOR	FORD COMP. PART NO.	YAZAKI COMP. PART NO.	MATERIAL/SPEC. NO.	RECYCLING CODE	WEIGHT	NO. OF ITEMS REQUIRED
1	TERMINAL SECONDARY LOCK	NEUTRAL	N/A	7158-4174	HFA/MS-W6823-2	PPAP4Pc	0.452	1 1 1 1
2	TERMINAL SECONDARY LOCK	RED	N/A	7158-7080-50	HFA/MS-W6823-2	PPAP4Pc	0.564	1 1 1 1
3	CONNECTOR SECONDARY LOCK	RED	N/A	7158-7080-50	HFA/MS-W6823-2	PPAP4Pc	0.564	1 1 1 1
4	MOUNTING TYPE B	DK GREY	N/A	7153-4114-10	PR1-GF15-W65-46823-2	PP1-GF15	15.350	1 1 1 1
5	MOUNTING TYPE B	BLACK	N/A	7153-4115-10	PR1-GF15-W65-46823-2	PP1-GF15	15.350	1 1 1 1



YAZAKI NORTH AMERICA, INC.			
APPROVED	CHECKED	CHECKED	DRAWN
 Larry Kline Manager 10-21-2013 10-21-2013	 [illegible] 10-21-2013 10-21-2013	 [illegible] 10-21-2013 10-21-2013	 VALENTIN LOYA 10-21-2013 10-21-2013



LTIRS		REVISIONS	
ORIGINATOR	CHECKER	ENGR APP	NATL APP
A1 RELEASED DUST-1444664-CA & BUST-1444664-ECA FOR PRODUCT ON AUTHOR TY ARCHIVED DATE AELE-E-11/84007-159			
B. OLIVAS	L. KIM	G. LEECE	
B1 RELEASED DUST-1444664-JA & BUST-1444664-AXA B2 ADDED HOUSING (TYPE A) TO CHART B3 ADDED TYPE A B4 ADDED INTERTYPE TYPE X B5 DELETED VIEW AELE-E-11784007-268			
2013/021			
V. LOYA	L. KIM	J. BIELAWSKI	

		REFERENCE		2 NEW FEMALE SEALED 1.5 (2) YDS FOR INFORMATION CONTACT: YAZANI NORTH AMERICA (7040)			
PART MUST COMPLY WITH INTERNAL SPECIFICATION MSS-APP09-41 AND LIST SPECIFIC HEALTH, SAFETY AND THE ENVIRONMENT.						90 DEGREE PROHIBITIONS IN WELLSHOOTS	
DRAFTED IN ACCORDANCE WITH THE CONVENTION DRAFTING ITS STANDARD ENGINEERING OF INITIAL RELEASE.							
CWP THE TUB. ISO. 1-DEGS		N/A		DOW FILE		7285-4111-10,0F	
(B1) DUST-14A464-AKA		SPEC. NO.		DRAWING		DUST-14A464-CCA	
		UNIT		TITLE		SHT 1 OF 1	
(B1) DUST-14A464-AJA		DESIGN		DETAIL		SLEEVE ASS	
		LAYOUT		WIRE CONNECTOR			
DUST-14A464-ECA		CHECKED		SAFETY		FEMALE	
		CROKED		N/A			
DUST-14A464-CCA		SCALE		DATE		T563	
		2:1		2013-10-21		PLANT	
						