DaimlerChrysler Ford General Motors

Part Submission Warrant



Part Name	2.8 System Seale	em Sealed Connector Wire Seal			Cust. Part Number F8Z			'B-14603-AA	
Shown on Drawing No.	97BG-10C930-EA			Org. Part Number			7158-3110-40		
Engineering Change Level		J2 / AELE-E-11784007-512			Dated		17-07-2	2019	
Additional Engineering Changes		N/A			Dated		N/A		
Safety and/or Government Regulation	n	Yes ✓ No	Purch	nase Order	No	N/A	Weight (kg)	0,00016	
Checking Aid No.	N/A	_Checking Aid Engine	ering Change Level			N/A	Dated	N/A	
ORGANIZATION MANUFACTURIN	G INFORMATION			CUSTO	MER SUBMITTAI	L INFORMAT	TION		
YAZAKI EUROPE LTD		32304	47696	NURS	AN				
Organization Name & Supplier/Vend Robert Bosch Strasse., 43	or Code								
Street Address				Buyer/Br	uyer Code				
Cologne NRV			Germany	Ford					
City Regio	n Postal Co	ode	Country						
MATERIALS REPORTING									
Has customer-required Substances	of Concern information b	een reported?			✓ Yes	☐ No	n/a		
	Submitted by IMDS or	other customer format	t:		IMDS				
					IMDS ID: 10	008131940	0 / 1		
Are polymeric parts identified with ap	propriate ISO marking c	odes?			Yes	☐ No	✓ n/a		
REASON FOR SUBMISSION (Chec	k at least one)								
☐ Initial submission ☐ Engineering Change(s)				H	Change to Optional Construction or Material Supplier or Material Source Change				
Tooling: Transfer, Replacer	nent, Refurbishment, or	additional			Change in Part				
Correction of Discrepancy				Parts produced at Additional Location					
Tooling Inactive > than 1 ye	ear			7	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 s Mold / Cavity / Production Process	pecification requirement	s: Mold 3525 / Cav	√ities 1387 / Tra		∐ NO	(If "NO" - E	xplanation Required)		
iviola / Gavity / Floduction Flocess		INDIA 3323 / Cav	niles 1507 / 11a	113161			-		
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 105,412 / 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 tagg	ed and numbered?			Yes	□ No	✓ n/a			
Organization Authorized Signature		Telmo Oliveira		. 50		11/d	Date	15 May 2021	
Print Name Telmo Oli	iveira	-	Phone No. +35	1 256 24	6 764		FAX No.	<u> </u>	
Title QE					a@yazaki-eur	ope.com	<u>-</u>		
FOR CUSTOMER USE ONLY (IF APPLICABLE)									
DDAD Warrant B'		_	_	LIOADLE	-/				
PPAP Warrant Disposition:	Approved	Rejected	Other						
Customer Signature Date									
Print Name			Cu	stomer Tra	cking No. (optiona	aı)		<u> </u>	

Quality Synthetic Rubber Computer Controlled Analysis of Tooling 4/13/2021

Mold Number: 3525 Page 1

Part Number: 7158-3110-40 Inspector: Jeff Cooper

Dreawing/Rev Level: 97BG-10C930-EA / J2

Dim #	Specifications	+/-	Cav# 1	Cav# 2	Cav# 3	Cav# 4	Cav# 5
1	Ø 6.70	0.05	6.718	6.735	6.744	6.730	6.743
2	Ø 5.10	0.20	5.068	5.078	5.081	5.082	5.059
3	Ø 4.30	+0.1/-0.0	4.303	4.313	4.307	4.326	4.332
4	Ø 2.80	0.05	2.816	2.782	2.795	2.825	2.786
5	7.75	0.20	7.738	7.750	7.779	7.748	7.756
6	Ø 5.10	0.20	4.954	5.047	5.002	5.019	5.009
7	0.30	+0.0/-0.10	0.229	0.258	0.268	0.274	0.245
8	4.60	0.20	4.582	4.564	4.615	4.615	4.597
9	1.00	0.20	0.953	0.949	0.959	0.967	0.980
10	Die & Cavity No.		OK	OK	OK	OK	OK
11	Yazaki Mark		OK	OK	OK	OK	OK
12	NOTES			IN COMPLIANCE			



ANNUAL TESTING

LABORATORY MATERIAL TEST REPORT serial no.: 04132118

CUSTOMER: YAZAKI PART NO.: 7158-3110-40 PART NAME: WIRE SEAL TEST DATE: 03-11-21	COMPOUND: A6101GR LOT NO.: 10481956 MATR'L.: SILICONE SPEC. NO.: ESB-M2D280	-A3
TYPE OF TEST	/ SPECIFICATION / TES	T RESULTS
ORIGINAL PROPERTIES, ASTM D2240, D412, DEPARTMENT OF THE PROPERTIES OF THE PROPERTIE	58 to 65 987 MIN. 250 MIN. 69 MIN.	61 1070 375 116
HEAT AGING, ASTM D865, 70h @ 150°C HARDNESS CHANGE, pts. TENSILE STRENGTH CHANGE, % ELONGATION CHANGE, %	+-5 MAX. - 5 MAX. - 10 MAX.	+3 -3 -10
HEAT AGING, ASTM D865, 1000h @ 150°C HARDNESS CHANGE, pts. TENSILE STRENGTH CHANGE, % ELONGATION CHANGE, %	+12 MAX. - 25 MAX. - 35 MAX.	+4 -12 -30
COMPRESSION SET, ASTM D395, 70h @ 150° COMPRESSION SET, % COMPRESSION SET, ASTM D395, 1000h @ 150° COMPRESSION SET, %	15 MAX.	14 32
Approved by Richard Rybka Richard Rybka, Technical Mar	Date: April 1 nager	3, 2021

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