

Part Name <u>GROM WIR</u>		Cust. Part Number <u>ET76-14603-CA</u>	
Shown on Drawing No. <u>ET76-14603-CA</u>		Org. Part Number <u>7235-0406-30</u>	
Engineering Change Level <u>OTSO- E- 12854-105-000</u>		Dated <u>28/07/2014</u>	
Additional Engineering Changes <u>N/A</u>		Dated <u>N/A</u>	
Safety and/or Government Regulation ☐ Yes ☒ No	Purchase Order No. <u>N/A</u>	Weight (kg) <u>0,067</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 YAZAKI EUROPE LTD <u>323047696</u> Organization Name & Supplier/Vendor Code Robert Bosch Strasse., 43 Street Address Cologne NRW D-50769 Germany City Region Postal Code Country		CUSTOMER SUBMITTAL INFORMATION NURSAN Buyer/Buyer Code FORD	
MATERIALS REPORTING Has customer-required Substances of Concern information been reported? ☒ Yes ☐ No ☐ n/a Submitted by IMDS or other customer format: <u>IMDS</u> <u>IMDS ID: 462477163 / 2</u> Are polymeric parts identified with appropriate ISO marking codes? ☐ Yes ☐ No ☒ n/a			
REASON FOR SUBMISSION (Check at least one) ☐ Initial submission ☐ Engineering Change(s) ☐ Tooling: Transfer, Replacement, Refurbishment, or additional ☐ Correction of Discrepancy ☐ Tooling Inactive > than 1 year ☐ Change to Optional Construction or Material ☐ Supplier or Material Source Change ☐ Change in Part Processing ☐ Parts produced at Additional Location ☒ Other - please specify below <u>Customer Request</u>			
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 <u>one mold, 2 cores / 8 CAVITIES</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 856 / 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 <u>Graça Ferreira</u>		Date <u>20 March 2023</u>	
Print Name <u>Graça Ferreira</u>		Phone No. _____ FAX No. _____	
Title <u>QE</u>		E-mail <u>tdc@yazaki-europe.com</u>	
FOR CUSTOMER USE ONLY (IF APPLICABLE)			
PPAP Warrant Disposition: ☐ Approved ☐ Rejected ☐ Other _____			
Customer Signature _____		Date _____	
Print Name _____		Customer Tracking No. (optional) _____	

Production Part Approval Dimensional Test Results

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ORGANIZATION: Elastomer Solutions, s.r.o.					PART NUMBER: ET76 - 14603 - CA (Fo 2103)									
SUPPLIER/VENDOR CODE:					PART NAME: Grom Wir									
INSPECTION FACILITY: messprojector					DESIGN RECORD CHANGE LEVEL: OTSO-E-12854105-000 / 28.07.2014									
					ENGINEERING CHANGE DOCUMENTS:									
ITEM	DIMENSION/SPECIFICATION (MM)	SPECIFICATION / LIMITS (MM)	TESTE DATE	QTY. TESTED	ORGANIZATION MEASUREMENT RESULTS (DATA), Set of cores: upper								OK	NOT OK
					Cav.1.	Cav.2.	Cav.3.	Cav.4.	Cav.5.	Cav.6.	Cav.7.	Cav.8.		
1.	(212,90)		11.8.2014		213,54	215,36	214,60	213,47	214,62	211,73	210,31	215,14	x	
2.	(85,30)		11.8.2014		86,78	86,41	86,90	86,86	86,75	86,60	86,24	86,03	x	
3.	(64,50)		11.8.2014		65,32	65,70	64,92	64,85	65,26	65,52	65,68	65,73	x	
4.	(70,30)		11.8.2014		71,56	71,23	71,07	70,74	70,94	71,20	71,36	71,53	x	
5.	(38,80)		11.8.2014		37,58	38,13	37,56	37,30	37,20	38,16	37,47	38,20	x	
6.	25,80	± 0,15	11.8.2014		25,85	25,90	25,75	25,86	25,95	25,71	25,74	25,77	x	
7.	(58,80)		11.8.2014		58,85	58,90	58,95	58,78	58,65	58,99	59,02	58,81	x	
8.	45,80	+ 0,15 / - 0,20	11.8.2014		45,80	45,90	45,91	45,75	45,77	45,82	45,86	45,91	x	
9.	2,20	± 0,20	11.8.2014		2,20	2,35	2,26	2,38	2,15	2,18	2,24	2,36	x	
10.	(4,20)		11.8.2014		4,25	4,29	4,33	4,35	4,19	4,22	4,35	4,28	x	
11.	1,80	± 0,45	11.8.2014		1,91	1,88	2,02	2,10	2,15	2,22	1,95	1,90	x	
12.	(43,80)		11.8.2014		43,88	43,89	43,75	43,92	43,86	43,94	43,78	43,85	x	
13.	29,80	+ 0,15 / - 0,20	11.8.2014		29,86	29,88	29,92	29,65	29,74	29,85	29,90	29,93	x	
14.	117,30	+ 4,10 / - 2,10	11.8.2014		118,50	118,25	118,66	117,99	117,88	118,09	118,66	118,63	x	
15.	(23,50)		11.8.2014		23,20	23,25	23,15	23,33	23,17	23,29	23,31	23,36	x	
16.	(52,80)		11.8.2014		52,85	52,88	52,86	52,92	52,91	52,96	52,74	52,79	x	
17.	39,80	+ 0,15 / - 0,20	11.8.2014		39,86	39,65	39,77	39,71	39,76	39,88	39,62	39,65	x	
18.	Ø 24,00	± 1,00	11.8.2014		24,45	24,33	24,26	24,51	23,98	24,12	24,25	24,31	x	
19.	Ø 14,00	± 1,00	11.8.2014		14,12	14,21	14,23	14,34	13,95	14,41	14,35	14,36	x	
20.	1,90	± 0,20	11.8.2014		1,92	1,96	1,99	2,10	2,01	1,94	1,96	1,98	x	
21.	(4,20)		11.8.2014		4,25	4,32	4,33	4,41	4,19	4,27	4,34	4,31	x	
22.	1,80	+ 0,45	11.8.2014		1,95	1,85	1,94	1,98	2,10	2,15	1,99	1,85	x	
23.	Material > EPDM <	> EPDM <	11.8.2014		OK	OK	OK	OK	OK	OK	OK	OK	x	
24.	Flash allowed	0,5 x 1,5 mm	11.8.2014		OK	OK	OK	OK	OK	OK	OK	OK	x	
25.	Ford trademark		11.8.2014		OK	OK	OK	OK	OK	OK	OK	OK	x	
26.	Part number	> ET76-14603-CA <	11.8.2014		OK	OK	OK	OK	OK	OK	OK	OK	x	
27.	Cavity number	1. - 8.	11.8.2014		1.	2.	3.	4.	5.	6.	7.	8.	x	
28.	Supplier code	> ECLNS <	11.8.2014		OK	OK	OK	OK	OK	OK	OK	OK	x	
29.	Supplier symbol	> D <	11.8.2014		OK	OK	OK	OK	OK	OK	OK	OK	x	
30.	Weight of grommet with clips (67,00 g)		11.8.2014		60,04	60,02	60,07	60,14	60,45	60,47	60,21	60,34	x	

Blanket statements of conformance are unacceptable for any test results.

March
2006

CFG-1003

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TITLE

Jana Pleváková, QE

DATE

25.8.2014

Production Part Approval Dimensional Test Results

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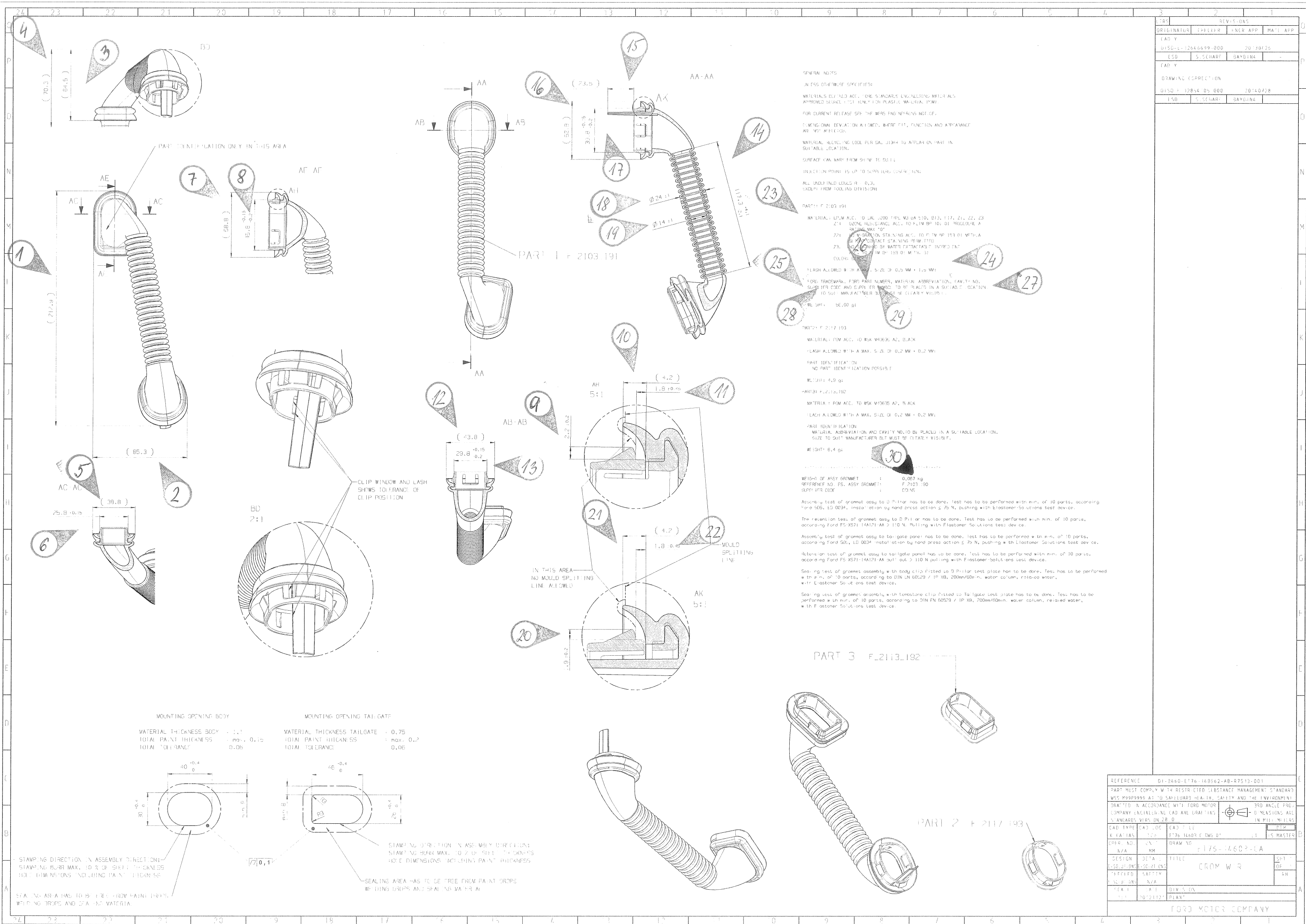
ORGANIZATION: Elastomer Solutions, s.r.o.					PART NUMBER: ET76 - 14603 - CA (Fo 2103)									
SUPPLIER/VENDOR CODE:					PART NAME: Grom Wir									
INSPECTION FACILITY: messprojector					DESIGN RECORD CHANGE LEVEL: OTSO-E-12854105-000 / 28.07.2014									
					ENGINEERING CHANGE DOCUMENTS:									
ITEM	DIMENSION/SPECIFICATION (MM)	SPECIFICATION / LIMITS (MM)	TESTE DATE	QTY. TESTED	ORGANIZATION MEASUREMENT RESULTS (DATA), Set of cores: lower								OK	NOT OK
					Cav.1	Cav.2	Cav.3	Cav.4	Cav.5	Cav.6	Cav.7	Cav.8		
1.	(212,90)		11.8.2014		214,32	214,63	215,24	215,07	215,68	214,71	213,46	215,34	x	
2.	(85,30)		11.8.2014		86,61	86,20	85,94	86,50	86,43	86,47	86,79	86,62	x	
3.	(64,50)		11.8.2014		64,85	65,41	64,74	64,95	64,48	65,33	64,98	65,87	x	
4.	(70,30)		11.8.2014		71,56	71,25	71,07	70,91	70,94	71,26	71,36	71,51	x	
5.	(38,80)		11.8.2014		37,25	37,96	37,76	37,92	38,24	38,12	37,70	37,97	x	
6.	25,80	± 0,15	11.8.2014		25,85	25,89	25,74	25,86	25,95	25,76	25,72	25,77	x	
7.	(58,80)		11.8.2014		58,87	58,90	58,91	58,69	58,67	58,89	59,02	58,81	x	
8.	45,80	+ 0,15 / - 0,20	11.8.2014		45,82	45,90	45,92	45,75	45,75	45,80	45,86	45,90	x	
9.	2,20	± 0,20	11.8.2014		2,22	2,34	2,25	2,38	2,15	2,22	2,24	2,34	x	
10.	(4,20)		11.8.2014		4,25	4,25	4,38	4,35	4,25	4,22	4,31	4,28	x	
11.	1,80	± 0,45	11.8.2014		1,95	1,88	2,15	2,10	2,08	2,22	1,95	1,98	x	
12.	(43,80)		11.8.2014		43,88	43,88	43,75	43,90	43,86	43,92	43,78	43,83	x	
13.	29,80	+ 0,15 / - 0,20	11.8.2014		29,86	29,88	29,93	29,65	29,78	29,85	29,88	29,93	x	
14.	117,30	+ 4,10 / - 2,10	11.8.2014		118,62	118,45	118,32	117,99	117,88	117,69	118,66	118,54	x	
15.	(23,50)		11.8.2014		23,23	23,25	23,41	23,33	23,25	23,29	23,45	23,36	x	
16.	(52,80)		11.8.2014		52,83	52,88	52,81	52,92	52,89	52,96	52,74	52,75	x	
17.	39,80	+ 0,15 / - 0,20	11.8.2014		39,86	39,65	39,77	39,71	39,74	39,88	39,62	39,65	x	
18.	Ø 24,00	± 1,00	11.8.2014		24,41	24,33	24,23	24,51	24,66	24,12	24,25	24,31	x	
19.	Ø 14,00	± 1,00	11.8.2014		14,28	14,21	14,44	14,34	13,99	14,41	14,32	14,36	x	
20.	1,90	± 0,20	11.8.2014		1,92	1,98	1,99	2,07	2,05	1,94	1,92	1,98	x	
21.	(4,20)		11.8.2014		4,25	4,28	4,33	4,36	4,18	4,27	4,30	4,29	x	
22.	1,80	+ 0,45	11.8.2014		1,98	1,85	2,05	1,98	2,19	2,15	1,85	1,89	x	
23.	Material > EPDM <	> EPDM <	11.8.2014		OK	OK	OK	OK	OK	OK	OK	OK	x	
24.	Flash allowed	0,5 x 1,5 mm	11.8.2014		OK	OK	OK	OK	OK	OK	OK	OK	x	
25.	Ford trademark		11.8.2014		OK	OK	OK	OK	OK	OK	OK	OK	x	
26.	Part number	> ET76-14603-CA <	11.8.2014		OK	OK	OK	OK	OK	OK	OK	OK	x	
27.	Cavity number	1 - 8	11.8.2014		1	2	3	4	5	6	7	8	x	
28.	Supplier code	> ECLNS <	11.8.2014		OK	OK	OK	OK	OK	OK	OK	OK	x	
29.	Supplier symbol	> D <	11.8.2014		OK	OK	OK	OK	OK	OK	OK	OK	x	
30.	Weight of grommet with clips (67,00 g)		11.8.2014		60,16	60,22	60,27	60,26	60,57	60,43	60,31	60,01	x	

Blanket statements of conformance are unacceptable for any test results.

March
2006

CFG-1003

SIGNATURE	TITLE	DATE
	Jana Pleváková, QE	25.8.2014



REVISIONS			
ORIGINATOR	PREPARED	ENGR APP	MAT APP
CAD Y			
0150-L-12646699-000		20130726	
ESD	S. SCHARF	RAYDINA	
CAD Y			
DRAWING CORRECTION			
0150-L-12646699-000		20140728	
ESD	S. SCHARF	RAYDINA	

REFERENCE: D1-3460-E776-148562-AB-R7513-001			
PART MUST COMPLY WITH RESTRICTED SUBSTANCE MANAGEMENT STANDARD WSS M99999999 AT TO SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT			
DRAFTED IN ACCORDANCE WITH FORD MOTOR COMPANY ENGINEERING CAD AND DRAFTING STANDARDS V18.0			
CAD TYPE	CAD LOC	CAD FILE	REV
K: 1411AS	120	E776 14603-CA DWG 01	1
OPER. NO.	UN	DRAWING	IS MASTER
N/A	N/A	F175-14603-CA	
DESIGN	DETAIL	FILE	SP
ESD 10000	ESD 10000	GROM W R	DE
RECEIVED	SAFETY		EN
RECEIVED	N/A		
STA 1	AT	DIVISION	
10/2012	10/2012	PLANT	
FORD MOTOR COMPANY			

Production Part Approval Material Test Results

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ORGANIZATION: Elastomer Solutions, s.r.o.					PART NUMBER: F_2103_191		
SUPPLIER/VENDOR CODE:					PART NAME: Compound 45052		
INSPECTION FACILITY:					DESIGN RECORD CHANGE LEVEL: OTSO-E-12854105-000		
* CUSTOMER SPECIFIED SUPPLIER/VENDOR CODE:					ENGINEERING CHANGE DOCUMENTS: 20140728		
* If source approval is req'd, include the supplier (Source) & Customer assigned code.					NAME of LABORATORY:		

ITEM	MATERIAL SPEC. NO. / VER / DATE	SPECIFICATION / LIMITS	TESTE DATE	QTY. TESTED	SUPPLIER TEST RESULTS RESULTS (DATA)	OK	NOT OK
	Part 1						
	EPDM in acc. to SAE J200 / ASTM D 2000 Type M3 BA 510, B13, F17, Z1, Z2, Z3			1	EPDM, Colour black	X	
510	Basic Requirements:						
	Density	1,12 ± 0,02			1,12	X	
	Hardness [Shore A]	50 ± 5		1	49,00	X	
	Tensile Strenght [MPa]	≥ 10,0 Mpa		1	10,40	X	
	Elongation at break [%]	≥ 500 %		1	746	X	
	Heat resistnce, Change after 70h/ 100°C: - Durometer Hardness - Tensila Strenght - Ultimate Elongation	≤ ± 15 ShA ≤ ± 30 % ≤ -50%		1	+6,0Sh.A +13,40 % -12,2%	X X X	
	Suffix Requirements:						
B13	Compression Set after 22h/70°C:	≤ 25 %		1	15,00%	X	
F17	Low-temperature brittleness after 5h/-40°C:	nonbrittle		1	pass	X	
Z1	Ozone resistance acc. to FLTM BP 101-01, Proc. A, Elongation 20%: Rating max. 0	max. 0		1	pass	X	
Z2	No migration staining acc. to FLTM BP 153-01, Method A:	Slight contact staining permitted		1	pass	X	
Z3	No staining by water-extractable ingredients	FLTM BP 153-01, Method B:		1	pass	X	

Blanket statements of conformance are unacceptable for any test results.

March
2006

CFG-1004

SIGNATURE		TITLE	DATE
	QE		30.07.2014