

Automotive Specification Summary

Listed below is a summary of the automotive specifications met by Rogers' PORON® Polyurethane and BISCO® Silicone materials. Contact your Rogers Sales Engineer for recommendations on meeting additional automotive specifications.



PORON® Polyurethane*†	Density (lbs/ft³)	Density (kg/m³)	Hardness	FORD WSS-M99P48	GENERAL MOTORS GMW18067	STELLANTIS MS-AY-549
4701-30	15	240	Very Soft	A1	Class II, Type II	10
4701-30	20	320	Very Soft	A1	Class II, Type III	7
4701-40	15	240	Soft	A1	Class II, Type IV	2
4701-40	20	320	Soft	A1	Class II, Type IV	1
4701-50	15	240	Firm	A1	Class II, Type IV	5
4701-50	20	320	Firm	A1	Class II, Type VI	4
4701-50	30	480	Firm	A1	Class I, Type VII	3
4701-60	15	240	Very Firm	A1	Class II, Type VI	9
4701-60	20	320	Very Firm	A1	Class II, Type VII	8
4701-60	25	400	Very Firm	A1	Class I, Type VIII	11
4790-92	12	192	Extra Soft	N/A	Class I, Type I	TBD
4790-92	15	240	Extra Soft	A1	Class I, Type II	TBD
4790-92	22	352	Extra Soft	N/A	Class I, Type III	N/A
4701-37	14	228	Soft	A1	Class II, Type IV	TBD
4701-41	15	240	Medium	A1	Class II, Type IV	TBD
4701-41	20	320	Medium	A1	Class II, Type V	TBD
4701-43	10	160	Soft	N/A	Class I, Type III	N/A
4701-43	12	192	Soft	N/A	Class I, Type III	N/A

* All materials also pass SAE-J 1756 "fogging" requirements and FMVSS302 flammability and flame retardancy. Additionally, various materials have been tested to Toyota specifications TSM 0500G-02 and TSM 0503G-06, Method B; Daimler DBL-5574 and DBL-5450; and Volkswagen VW-50180.

† These standard PORON Polyurethanes are tested and qualified annually by independent A2LA certified laboratories.

Ford WSS-M99P48 replaces WSS-M2D496. 4701-40-15 is tested to both WSS-M2D496 and WSS-M99P48.

GMW18067 replaces both GMW16750 and GMW14196. Class I: Air, Dust Seal. Class II: Water Seal @ 50% Compression. Water impermeability testing done at GM. Material classified as Class II can also be used for Class I.

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BISCO® Silicone††	Density (lbs/ft³)	Density (kg/m³)	Hardness	GENERAL MOTORS GMW16392**	STELLANTIS MS-AY-556
BF-2000	10	160	Very Soft	Type 0	N/A
BF-1000	12	192	Very Soft	Type 1	Table 1 Low Density
HT-870	15	240	Soft	Type 1	N/A
HT-800	22	352	Medium	Type 2	Table 1 Medium Density
HT-820	23	384	Firm	Type 3	N/A
HT-840	27	449	Extra Firm	Type 4	N/A

** Meet MATSPC

†† These standard BISCO Silicones are tested and qualified annually by independent A2LA certified laboratories.

Elastomeric Material Solutions Application Design Tool
<http://tools.rogerscorp.com/ems/products/msg/index.aspx>

