

HOWARD J. MOORE CO. INC.
SPONGE MATERIALS

PHYSICAL PROPERTIES MILITARY SPECIFICATIONS

OPEN CELL SPONGE

MORCO PART NUMBER	ELASTOMER	COMPRESSION DEFLECTION P.S.I	MIL-R-6130B	MIL-STD 670C* (MIL-C 3133)	MAX. COMPRESSION SET**	TEMP. RANGE °F	FEATURES
Poron® 4701-01	Urethane	4-12 Soft		SCO10B1	2	0 to 200	Excellent resistance to compression set, high energy absorption for vibration damping. Odorless and aesthetically pleasing
4701		SCO11B1					
4716		5-11 Soft		SCO10B1	.20 to 200	Flame Retardant with excellent PORON qualities, UL-94 HBF	
Pyrell Foam		0.5 Approx.			8	0 to 175	Ideal for business machine dust seals, UL-94HF-1 Rating.
SR-3832	SBR	2-5	Type I Gr. B	RO11F ₁	15	.70 to 150	Economical gasketing,.. takes repeated compression. Not intended for oil contact or ozone resistance.
SR-4022		6-9 Medium		RO12F ₁			
SR-3130		10-15 Firm		RO13F ₁			
SCR-3050	Neoprene	2-5 Soft	Type I Gr.	SCO11F ₁		.40 to 158	Gasketing for repeated compression, light oil contract and ozone resistance.
SCR-3052		6-9 Medium		SCO11F ₁			

CLOSED CELL SPONGE

S-411-BN	Neo/SBR/ EPDM	9-13 Medium	Type II Gr., A,B	SCE41 F	30	.70 to 150	Ideal weatherstrip material; flexible at low temperatures, age resistant, water resistant and economical.
S-431-BN		2-5 Soft		SCE43 F			
R-411-N	Neoprene	9-13 Medium		SCE41 F	25	.40 to 150	Mechanically superior closed cell sponge with high tear strength and tensil. oil resistant and age resistant.
R-431-N		17-24 Firm		SCE43 F			
R-451-N		2-5 Soft		SCE45 F			
G-231-N		5-13 Medium		SCE41			
G-207-N		5-13 Medium		SCE41/42	15	.30 to 150	Highest elongation and tensile strength, skin surfaces, fungus resistant and flame retardant.
R-10470-M	Silicone	6-14 Medium	Type II Gr, B, C	TE42	5	.100 to 500	Excellent physical properties with a broad temperature range.
R-10480-S		2-7 Soft		TE41			Best on the market for resistance to compression set at elevated temperatures.
R-10480-M		6-14 Medium		TE42			Flame retardant (UL-94HF-1) and resistant to compression set
R-10460							
S-HT603		2-5 Soft	Type II Gr. C	TE41	10	.65 to 400	Lightweight gasketing and padding in high temperature. Flame retardant, (UL- 94HF-1).
S-HT800		6-14 Medium		TE42			Gasketing for Lighting Fixtures, (UL-1570, 1571, 1572).
46089-FGR		8-16 Medium					Fiberglass reinforcement for dimensional Stability.

*Mil-Std-670C supersedes Mil-Std-670B.

**ASTM D 1667 (50% compression for 22 hrs. at 73°F, 24 hrs. recovery).

The above data represent nominal values. Actual values may vary with thickness. All materials are available with Pressure Sensitive Adhesive.

Howard J. Moore will die cut, slit and custom fabricate the above materials to your specification.

(Available thicknesses are generally 1/16" through 1/2". Please call for availability of thinner or thicker requirements).

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