

SILIKON M MATERIAL DATA SHEET

PURE NEOPRENE SPONGE CELLULAR RUBBER

- **AUTOMOTIVE & RAILWAY**
- **INDUSTRY & AIRCRAFT**
- **EXCELLENT FIRE RESISTANCE**
- **LOW SMOKE**
- **HIGH TECHNICAL PERFORMANCE**



TECHNICAL DATA	TEST METHOD	RESULTS
BASE		NEOPRENE
Density	ASTM D1056	140 +/- 20Kg/M3 8,7 +/- 1,24 Lb/ft3
Classification	ASTM D1056	2C2
	NFR 99211	3C 08 B3
	ASTM D6576	TYPE 2 GRADE A
Spring Hardness C		22 °
Compression deflection 25%	ASTM D1056	35 - 65 kPa *42 typical 5 - 9,4 psi
Compression deflection 50 %	ASTM D1056	80 - 160 kPa 11,6 - 23,2 psi
Compression Set 23°C, 22H	ISO 1856	23%
Tensile Strength	DIN 412	> 520 KN
Vaccum Water absorption	ASTM D1056	< 4 %
Elongation to break / Rupture	DIN 53571	155%
Temperature range		-40 +120 °C -40 +248 °F
Flammability	UL 94	HF-1 (File nr : QMFZ2.E350291) Self estinguish/Auto extinguible
Fire Classification EN 45545-2	R22-R23	HL-1/HL2/HL3 with exception
Federal Railroad Administration (USA)	FIRE ASTM C 1166	PASS
Gas Emission	BOEING BSS7239	PASS
Smoke Opacity	ASTM E 662	PASS
Ozone resistance (100pphm,40°C- 2H)	ASTM D1149	No Cracking
Paint staining	NFT 46-031	Staining
Copper and Silver		Corrosive
Environmental Protection		Can be recycled REACH - RoHS conformable IMDS available
Dimension of blocks		2000x1000x50 mm 78,8x39,4x2 inch +/-3 Skin/Skin +/-0.1 Skin/Skin
Regular Colour Code		
Storage conditions		Store in a well ventilated place at room temperature

*This information is based according to our knowledge. Values should be considered as average. It is the customers responsibility to check if the material is suitable for its applications. This information cannot be considered as binding and the company accepts no liability.

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