



Medium Grade Silicone Foam, Transportation Grade

Medium closed cell silicone foam is the ideal choice for industries like automotive, aerospace, and transportation. Due to its low toxicity, smoke and flame properties this material is an ideal choice for vibration management, gap filling, gasket, and sealing.

TECHNICAL DATA SHEET | (EFFECTIVE 26FEB21)

Medium Grade Silicone Foam, Transportation Grade			
PHYSICAL PROPERTY	TEST METHOD	UNIT	VALUES
Cellular Structure	--	--	Closed Cell
Firmness	--	--	Medium
Density	ASTM D1056	pcf (kg/m³)	20.4 (326.8)
Compression Deflection, 25%	ASTM D1056	psi (kPa)	10.1 (69.6)
Compression Set	ASTM D1056 22 hours, 100°C	%	<5
Tensile Strength	ASTM D412	psi (kPa)	>44 (300)
Elongation	ASTM D412	%	>60
Water Absorption	ASTM D1056	%	<5
Flame Resistance	UL-94	--	V-0
Flame Spread Index	ASTM E162	--	<25
Smoke Density (D _s) w/t or w/o Flaming	ASTM E662	--	<100 1.5 min <200 4.0 min <300 Max Dm
Toxic Gas Generation	SMP 800-C	--	Pass
Low Temperature Flexibility	ASTM D1056	°F	-67
		°C	-55
Working Temperature Range	--	°F	-67 - +392
		°C	-55 - +200
Thermal Conductivity	ASTM D5470	W/(m-k)	0.07

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PHYSICAL PROPERTY	TEST METHOD	UNIT	VALUES
Volume Resistivity	ASTM D257	Ohm-cm	$>1.0 \times 10_{14}$
Dielectric Strength	ASTM D149	kV/mm	6.0
Industry Standards			
FDA Regulation 21 CFR 177.2600	Rubber articles intended for repeated use		
UL-94 V-0	Flammability of plastic materials for vertical burn		
ASTM D1056-14	Grade 2D3		
SAE AMS3195	For medium silicone sponge		
RoHS Compliance	EU Directive 2015/863		
REACH SVHC Compliance	Updated to November, 2022		
Ingress Protection Code IPX8	IEC 60529		