



Datasheet

White Silicone Sponge Tape-733-6808

ENGLISH

Temperature range -55°C to +200°C. Excellent recovery/ compression resistance. Good compliance with fire/smoke/toxicity requirements.

Property	Test Method	Typical Value
PHYSICAL		
Colour		White
Thickness, inches, (mm)		0.062-1.00 (1.6-25.4)
Standard Width, inches, (mm)		36 (914)
Density, lb./ft ³ (kg/m ³)	ASTM D 1056	13 (208)
Compression Force Deflection, psi (kPa)	Force measured @ 25% Deflection ASTM D 1056	3 (20.7)
	ASTM D 1056 Test D @ 158°F (70°C)	< 1
	ASTM D 1056 Test D @ 212°C (100°C)	<5
Compression Set % max	ASTM D 412	35 (241)
Tensile Strength, psi (kPa)	ASTM D 412	90
Elongation %		
FLAMMABILITY % OUTGASSING		
Flame Resistance	UL 94	Listed v-0 and HF-1
Flame Spread Index (L)	ASTM E 162	< 35
Smoke Density (D)	ASTM E 662	
	Tested @ 4.0 minutes	< 50
	Tested @ 1.5 minutes	< 20
Toxic Gas Emissions Rating	SMP-800C	Pass
ENVIRONMENTAL PROPERTIES		
Water Absorption	Internal: 24 rs@ room temp.	3.50%
UV Resistance	SAE J- 1960	No Degradation
Ozone Effect Rating	ASTM D 1171	0 (No Cracks)
Corrosion Resistance	AMS - 3568	Pass
Meets Requirements of FDA CFR 177.2600 for Food Contact		Yes
ELECTRICAL & THERMAL PROPERTIES		
Dielectric Constant	ASTM D 150	1.34
Dielectric Strength	ASTM D 149, Volts,mil	89
Dry Arc Resistance	ASTM D 495, Seconds	90
Volume Resistivity, Ohm0cm	ASTM D 257	10 ¹⁴
Thermal Conductivity, BTU in/hr/ft ² /°F (-55°)	ASTM C 518	0.39 (0.06)
	L.O.I (BS2782 Part 1 Method 141:1986)	31.40%
	Temperature Index (BS EN ISO 4589-3 1996)	<280°C
	Smoke- Small scale cube	Ao 0.018
	NFF 16-101 M/I:	I2
	NFF 16-101 F:	F0
	NES713 Toxicity Index	0.58
	R' Value to NFC 70-100	0.29
TEMPERATURE RESISTANCE		
Low Temperature Flex at -67°F (-55°C)	ASTM D 1056	Pass
Recommended Use Temperature °F (°C)	SAE J-2236	-67 to 392 (-55 to 200)
Recommended Intermittent High Temperature Use, °F (°C)	Internal	482 (250)