

P & P Technology Oriented Wires In Silicone

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

P & P Technology SP, SS, SR, SW & SF Ranges of gasket materials consist of Monel or aluminum wires embedded into solid silicone, sponge silicone or fluorosilicone, a fire retardant variant is also available. The material may be supplied in strip form or as a complete gasket with or without pressure sensitive adhesive tape. Other options include compression stops or collars. Carrier: SP Solid Silicone Elastomer (Grey) to ZZ-R-765 2b 40 SS Sponge Silicone (Grey) AMS3195 to ZZ-R-765-2b-40 SR Solid Silicone Fire Retardant (Black) to ZZ-R-765 *SF Fluorosilicone (Blue) to Mil-R-25988 Gr5 SG Sponge Silicone Fire Retardant (Black) to AMS3195 Wire: Monel 0.11mm dia. to QQ-N-281 Aluminuma dia. 0.12 mm Alloy 5056 Self adhesive: Pressure sensitive adhesive (if specified) Release liner: White siliconised paper Adhesive type: Modified acrylic Compression: Maximum Recommended 20% Wire Count: 100 ± 15% per cm²(solid) 80 ± 15% per cm²(sponge) Information provided by P & P Technology

Order this product through the following link:

http://www.lookpolymers.com/polymer_P-P-Technology-Oriented-Wires-In-Silicone.php

Physical Properties	Metric	English	Comments
Thickness	70.0 microns	2.76 mil	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	30 - 40	30 - 40	Elastomer, Solid, Micro

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 °C	392 °F	
Minimum Service Temperature, Air	-65.0 °C	-85.0 °F	

Electrical Properties	Metric	English	Comments
Shielding Effectiveness	55 dB	55 dB	H-Field
	@Frequency 10000 Hz	@Frequency 10000 Hz	
	60 dB	60 dB	P-Field
	@Frequency 1.00e+10 Hz	@Frequency 1.00e+10 Hz	
	83 dB	83 dB	H-Field
	@Frequency 100000 Hz	@Frequency 100000 Hz	
	95 dB	95 dB	P-Field
	@Frequency 1.00e+9 Hz	@Frequency 1.00e+9 Hz	
	>= 102 dB	>= 102 dB	

Electrical Properties	Metric	English	Comments
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
	>= 102 dB	>= 102 dB	
	@Frequency 4.00e+8 Hz	@Frequency 4.00e+8 Hz	P-Field
	>= 120 dB	>= 120 dB	
	@Frequency 1.00e+7 Hz	@Frequency 1.00e+7 Hz	E-Field
	>= 121 dB	>= 121 dB	
	@Frequency 1.00e+7 Hz	@Frequency 1.00e+7 Hz	E-Field
	>= 140 dB	>= 140 dB	
	@Frequency 1.00e+8 Hz	@Frequency 1.00e+8 Hz	E-Field
	>= 141 dB	>= 141 dB	
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	E-Field

Descriptive Properties	Value	Comments
Adhesion Aged	31N/25mm	
Adhesion Initial	31N/25mm	

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