

P & P Technology Conductive Elastomer

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Nickel Graphite particles Information provided by P & P Technology

Order this product through the following link:

http://www.lookpolymers.com/polymer_P-P-Technology-Conductive-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.90 - 2.00 g/cc	1.90 - 2.00 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55 - 65	55 - 65	
Tensile Strength	2.02 MPa	293 psi	
Elongation at Break	110 %	110 %	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	160 °C	320 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 0.10 ohm-cm	<= 0.10 ohm-cm	
Shielding Effectiveness	76 dB	76 dB	H-Field
	@Frequency 200000 Hz	@Frequency 200000 Hz	
	100 dB	100 dB	P-Field
	@Frequency 2.00e+9 Hz	@Frequency 2.00e+9 Hz	
	101 dB	101 dB	E-Field
	@Frequency 1.00e+8 Hz	@Frequency 1.00e+8 Hz	
	104 dB	104 dB	P-Field
	@Frequency 5.00e+8 Hz	@Frequency 5.00e+8 Hz	
	107 dB	107 dB	P-Field
	@Frequency 1.00e+10 Hz	@Frequency 1.00e+10 Hz	

Descriptive Properties	Value	Comments
Color	Dark grey	

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