

P & P Technology Nickel Graphite Loaded EPDM

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

Material Notes:

Molding grade conductive EPDM elastomer loaded with nickel graphite filler. The material is dark grey in color and is specially compounded to give high EMC performance and excellent IP sealing. Information provided by P & P Technology

Order this product through the following link:

http://www.lookpolymers.com/polymer_P-P-Technology-Nickel-Graphite-Loaded-EPDM.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.60 g/cc	2.60 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85 - 95	85 - 95	ASTM D2240
Tensile Strength	>= 1.60 MPa	>= 232 psi	ASTM D412
Elongation at Break	>= 90 %	>= 90 %	ASTM D412
Compression Set	<= 40 % @Temperature 100 °C, Time 259000 sec	<= 40 % @Temperature 212 °F, Time 72.0 hour	ASTM D395

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 0.50 ohm-cm	<= 0.50 ohm-cm	Mil-G-83528/MIL std 285
Shielding Effectiveness	85 dB @Frequency 2.00e+9 Hz	85 dB @Frequency 2.00e+9 Hz	Plane Wave; Mil-G-83528/MIL std 285
	85 dB @Frequency 1.00e+10 Hz	85 dB @Frequency 1.00e+10 Hz	Plane Wave; Mil-G-83528/MIL std 285
	90 dB @Frequency 5.00e+8 Hz	90 dB @Frequency 5.00e+8 Hz	E-Field; Mil-G-83528/MIL std 285
	95 dB @Frequency 1.00e+8 Hz	95 dB @Frequency 1.00e+8 Hz	H-Field; Mil-G-83528/MIL std 285

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