

Parker Chomerics CHO-FORM 5537 EMI Shielding Material

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

Material Notes:

Fast Curing Form-in-Place EMI Shielding Material. Cho-Form 5537 is a one component, moisture cured, electrically conductive, form-in-place EMI gasketing material. The formulation contains nickel-plated graphite particles dispersed in a silicone elastomer. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-FORM-5537-EMI-Shielding-Material.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.20 g/cc	2.20 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65	65	ASTM D2240
Tensile Strength at Break	>= 1.38 MPa	>= 200 psi	ASTM D412
Compression Set	50 %	50 %	ASTM D395 Method B 22 hrs 85°C

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.020 ohm-cm	0.020 ohm-cm	Initial; Chomerics MAT-1002
	0.030 ohm-cm	0.030 ohm-cm	Aged; Chomerics MAT-1002

Processing Properties	Metric	English	Comments
Cure Time	2880 min	48.0 hour	Full Cure
	>= 240 min @Temperature 20.0 °C	>= 4.00 hour @Temperature 68.0 °F	Minimum Cure time before inspection @ 50% RH

Descriptive Properties	Value	Comments
Compression/Deflection @ 20%, N/cm	2.1	
Compression/Deflection @ 30%, N/cm	4.8	
Filler	Ni/C	
Resin	One Part Silicone	

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