



Parker Chomerics CHO-SEAL® S6600 Conductive Elastomer

Material Notes: Description: Low-end shielding and ESD protection; high tensile strength; no corrosion or fluid resistance.

Molded only

RoHS Compliant

Information provided by Chomerics

Physical Properties	Metric	English	Comments
Specific Gravity	0.950 - 1.45 g/cc	0.950 - 1.45 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	68 - 82	68 - 82	ASTM D2240
Tensile Strength	≥ 4.48 MPa	≥ 650 psi	ASTM D412
Elongation at Break	≥ 70 %	≥ 70 %	ASTM D412
Compression Set	≤ 45 % @Temperature 100 °C, Time 252000 sec	≤ 45 % @Temperature 212 °F, Time 70.0 hour	ASTM D395, Method B

Electrical Properties	Metric	English	Comments
Volume Resistivity	≤ 7.0 ohm-cm	≤ 7.0 ohm-cm	without pressure-sensitive adhesive; CEPS-0002
Shielding Effectiveness	≥ 50 dB @Frequency 1.00e+10 Hz	≥ 50 dB @Frequency 1.00e+10 Hz	Plane Wave; Method 1, CHO-TM-TP08
	≥ 60 dB @Frequency 2.00e+9 Hz	≥ 60 dB @Frequency 2.00e+9 Hz	Plane Wave; Method 1, CHO-TM-TP08
	≥ 80 dB @Frequency 1.00e+8 Hz	≥ 80 dB @Frequency 1.00e+8 Hz	E-Field; Method 1, CHO-TM-TP08
	≥ 80 dB @Frequency 5.00e+8 Hz	≥ 80 dB @Frequency 5.00e+8 Hz	E-Field; Method 1, CHO-TM-TP08

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.600 W/m-K @Pressure 2.07 MPa	4.16 BTU-in/hr-ft ² -°F @Pressure 300 psi	ASTM D5470
Maximum Service Temperature, Air	200 °C	392 °F	
Minimum Service Temperature, Air	-45.0 °C	-49.0 °F	Flex TR10

Descriptive Properties

Binder	Silicone	
Filler	Carbon	
Heat Aging	<7 ohm-cm	150°C for 48 hr, CEPS-0002

Supplied by:
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