

Parker Chomerics CHO-SEAL® 6308 Conductive Elastomer

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

Material Notes:

Description: Good performance in moderately corrosive environments; material of choice for flange finishes needing "bite-through" for good electrical contact. Extruded only RoHS Compliant Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-SEAL-6308-Conductive-Elastomer.php

| Physical Properties | Metric | English | Comments |
|---------------------|------------------|------------------|-----------|
| Specific Gravity | 1.75 - 2.25 g/cc | 1.75 - 2.25 g/cc | ASTM D792 |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|--|---|---------------------|
| Hardness, Shore A | 55 - 75 | 55 - 75 | ASTM D2240 |
| Tensile Strength | >= 1.38 MPa | >= 200 psi | ASTM D412 |
| Elongation at Break | >= 75 % | >= 75 % | ASTM D412 |
| Tear Strength | <= 7.01 kN/m | <= 40.0 pli | ASTM D624 |
| Compression Set | <= 30 % @Temperature 100 °C, Time 252000 sec | <= 30 % @Temperature 212 °F, Time 70.0 hour | ASTM D395, Method B |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|----------|----------|-----------|
| Maximum Service Temperature, Air | 150 °C | 302 °F | |
| Minimum Service Temperature, Air | -60.0 °C | -76.0 °F | Flex TR10 |

| Electrical Properties | Metric | English | Comments |
|-------------------------|---------------------------------------|---------------------------------------|---|
| Volume Resistivity | <= 0.10 ohm-cm | <= 0.10 ohm-cm | without pressure-sensitive adhesive; CEPS-0002 |
| Shielding Effectiveness | >= 100 dB @Frequency 1.00e+8 Hz | >= 100 dB @Frequency 1.00e+8 Hz | E-Field; Method 1, CHO-TM-TP08 |
| | >= 100 dB @Frequency 5.00e+8 Hz | >= 100 dB @Frequency 5.00e+8 Hz | E-Field; Method 1, CHO-TM-TP08 |
| | >= 100 dB @Frequency 2.00e+9 Hz | >= 100 dB @Frequency 2.00e+9 Hz | Plane Wave; Method 1, CHO-TM-TP08 |

| Electrical Properties | Metric dB | English dB | Comments |
|-----------------------|------------------------|------------------------|-----------------------------------|
| | @Frequency 1.00e+10 Hz | @Frequency 1.00e+10 Hz | Plane Wave; Method 1, CHO-1M-TP08 |

| Descriptive Properties | Value | Comments |
|------------------------|--------------|----------------------------|
| Binder | Silicone | |
| Filler | Ni/C | |
| Heat Aging | <0.25 ohm-cm | 150°C for 48 hr, CEPS-0002 |

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