

## Parker Chomerics CHO-SEAL® 6452 Conductive Elastomer

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

### Material Notes:

Description: Good performance in moderately corrosive environments; excellent NBC fluid resistance; good physical properties. Extruded only. RoHS Compliant. Information provided by Chomerics

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Parker-Chomerics-CHO-SEAL-6452-Conductive-Elastomer.php](http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-SEAL-6452-Conductive-Elastomer.php)

| Physical Properties | Metric           | English          | Comments  |
|---------------------|------------------|------------------|-----------|
| Specific Gravity    | 1.70 - 2.20 g/cc | 1.70 - 2.20 g/cc | ASTM D792 |

| Mechanical Properties | Metric   | English   | Comments            |
|-----------------------|--|---|---------------------|
| Hardness, Shore A     | 60 - 80  | 60 - 80   | ASTM D2240          |
| Tensile Strength      | >= 1.38 MPa  | >= 200 psi  | ASTM D412           |
| Elongation at Break   | <= 200 %   | <= 200 %  | ASTM D412           |
| Tear Strength         | <= 9.64 kN/m                                       | <= 55.0 pli                                       | ASTM D624           |
| Compression Set       | <= 35 %<br>@Temperature 100 °C,<br>Time 252000 sec | <= 35 %<br>@Temperature 212 °F,<br>Time 70.0 hour | ASTM D395, Method B |

| Thermal Properties               | Metric | English | Comments |
|----------------------------------|--------|---------|----------|
| Maximum Service Temperature, Air | 100 °C | 212 °F  |          |

| Electrical Properties   | Metric                                | English                               | Comments  |
|-------------------------|---------------------------------------|---------------------------------------|---|
| Volume Resistivity      | <= 0.50 ohm-cm                        | <= 0.50 ohm-cm                        | without pressure-sensitive adhesive;<br>MIL-DTL-83528 |
| Shielding Effectiveness | >= 75 dB<br>@Frequency 1.00e+8<br>Hz  | >= 75 dB<br>@Frequency 1.00e+8<br>Hz  | E-Field; Method 3, CHO-TM-TP09                        |
|                         | >= 85 dB<br>@Frequency 1.00e+10<br>Hz | >= 85 dB<br>@Frequency 1.00e+10<br>Hz | Plane Wave; Method 3, CHO-TM-TP09                     |
|                         | >= 105 dB<br>@Frequency 2.00e+9<br>Hz | >= 105 dB<br>@Frequency 2.00e+9<br>Hz | Plane Wave; Method 3, CHO-TM-TP09                     |

| Descriptive Properties | Value        | Comments                   |
|------------------------|--------------|----------------------------|
| Binder                 | EPDM         |                            |
| Filler                 | Ni/C         |                            |
| Heat Aging             | <0.35 ohm-cm | MIL-DTL-83528 Para. 4.6.15 |

## Contact Songhan Plastic Technology Co.,Ltd.

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