

Parker Chomerics SOFT-SHIELD® 2000 Low Closure Force, Foam Core EMI Gasket

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

Material Notes:

Description: SOFT-SHIELD® 2000 Series gaskets consist of silver-plated nylon yarn knitted as the outer layer over a highly compressible, thermoplastic EPDM foam core. Through a special treatment process, the yarn jacket is secured to the core. This self-terminating outer layer eliminates the need for secondary termination efforts and metal particle debris associated with the cut ends of common wire mesh gaskets. SOFT-SHIELD® 2000 Series gaskets are designed specifically for use in commercial electronic enclosures and metalized plastic housings. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-SOFT-SHIELD-2000-Low-Closure-Force-Foam-Core-EMI-Gasket.php

| Physical Properties | Metric | English | Comments |
|---------------------|--------|---------|----------|
| Deformation | 10 % | 10 % | 0.20 ppi |
| | 20 % | 20 % | 0.37 ppi |
| | 30 % | 30 % | 0.50 ppi |
| | 40 % | 40 % | 0.80 ppi |
| | 50 % | 50 % | 1.30 ppi |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|---|--|----------------|
| Compression Set | <= 25 % | <= 25 % | 50% deflection |
| | @Temperature 70.0 °C, Time 79200 sec | @Temperature 158 °F, Time 22.0 hour | |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------|---------|----------|
| Flammability, UL94 | HB | HB | |

| Electrical Properties | Metric | English | Comments |
|-------------------------|---------------------------|---------------------------|----------|
| Shielding Effectiveness | 65 dB | 65 dB | |
| | @Frequency 1.00e+10 Hz | @Frequency 1.00e+10 Hz | |
| | 70 dB | 70 dB | |
| | @Frequency 1.00e+9 Hz | @Frequency 1.00e+9 Hz | |
| | 78 dB | 78 dB | |
| | @Frequency 2.00e+7 | @Frequency 2.00e+7 | |

| Electrical Properties | Hz Metric | Hz English | Comments |
|-----------------------|--------------------------|--------------------------|----------|
| | 90 dB | 90 dB | |
| | @Frequency 4.00e+9 Hz | @Frequency 4.00e+9 Hz | |
| | 95 dB | 95 dB | |
| | @Frequency 1.00e+8 Hz | @Frequency 1.00e+8 Hz | |

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