

## Garlock BLUE-GARD® 3700 Compressed Aramid Fiber Gasketing, EPDM Binder

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

### Material Notes:

Aramid fiber, high-temperature fillers, and EPDM binder. For service areas with weak causticsExcellent SealabilityUnique blend of aramid fibers, fillers, and a EPDM rubber binder provides improved torque retention and lowered emissions levelsMedia: Water, Saturated Steam, Inert GasesInformation provided by Garlock Rubber Technologies

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Garlock-BLUE-GARD-3700-Compressed-Aramid-Fiber-Gasketing-EPDM-Binder.php](http://www.lookpolymers.com/polymer_Garlock-BLUE-GARD-3700-Compressed-Aramid-Fiber-Gasketing-EPDM-Binder.php)

| Physical Properties | Metric    | English                   | Comments                                  |
|---------------------|-----------|---------------------------|---|
| Density             | 1.60 g/cc | 0.0579 lb/in <sup>3</sup> |   |
| Permeability        | 0.040     | 0.040                     | Gas Permeability, cc/min; DIN 3535 Part 4 |

| Mechanical Properties | Metric   | English  | Comments                |
|-----------------------|----------|----------|-------------------------|
| Tensile Strength      | 17.2 MPa | 2500 psi | across grain; ASTM F152 |

| Thermal Properties               | Metric             | English            | Comments   |
|----------------------------------|--------------------|--------------------|------------|
| Maximum Service Temperature, Air | 371 °C             | 700 °F             |            |
|                                  | 204 °C             | 400 °F             | Continuous |
|                                  | @Pressure 8.27 MPa | @Pressure 1200 psi |            |
| Minimum Service Temperature, Air | -73.3 °C           | -100 °F            |            |

| Electrical Properties | Metric                              | English                             | Comments                        |
|-----------------------|-------------------------------------|-------------------------------------|---------------------------------|
| Dielectric Strength   | >= 11.5 kV/mm                       | >= 291 kV/in                        | 0.125 in. thickness; ASTM D149  |
|                       | @Temperature 121 °C, Time 10800 sec | @Temperature 250 °F, Time 3.00 hour |                                 |
|                       | >= 17.8 kV/mm                       | >= 451 kV/in                        | 0.0625 in. thickness; ASTM D149 |
|                       | @Temperature 121 °C, Time 10800 sec | @Temperature 250 °F, Time 3.00 hour |                                 |
|                       | 2.80 kV/mm                          | 71.0 kV/in                          | 100% RH for 96 hours; ASTM D149 |
|                       | @Thickness 3.17 mm                  | @Thickness 0.125 in                 |                                 |
|                       | 5.28 kV/mm                          | 134 kV/in                           | 100% RH for 96 hours; ASTM D149 |
|                       | @Thickness 1.59 mm                  | @Thickness 0.0625 in                |                                 |

| Descriptive Properties       | Value      | Comments    |
|------------------------------|------------|-------------|
| Color                        | Light Grey |             |
| Compressibility, %           | 7-17       | ASTM F36    |
| Creep Relaxation, %          | 25         | ASTM F38    |
| Sealability ASTM F37B, ml/hr | 0.1        | ASTM Fuel A |
|                              | 0.7        | Nitrogen    |

## Contact Songhan Plastic Technology Co.,Ltd.

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