

## Greene Tweed CHEMRAZ<sup>®</sup> 571 Perfluoroelastomer

Category : Polymer , Thermoset , Fluoropolymer, TS , Thermoset Fluoroelastomer , Rubber or Thermoset Elastomer (TSE)

### Material Notes:

Chemraz<sup>®</sup> 571 is recommended for a wide variety of semiconductor equipment wet processing applications where stringent seal reliability and contamination control are required. This seal material offers excellent performance in long-term static sealing applications in acid, solvent and ultra pure H<sub>2</sub>O. Chemraz 571 is excellent for high sealing load designs. Applications: Valve seals Fitting and union seals Gasket seals Regulator seals Filter seals Dispensing seals Information provided by Greene Tweed.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Greene-Tweed-CHEMRAZ-571-Perfluoroelastomer.php](http://www.lookpolymers.com/polymer_Greene-Tweed-CHEMRAZ-571-Perfluoroelastomer.php)

| Physical Properties | Metric    | English   | Comments  |
|---------------------|-----------|-----------|-----------|
| Specific Gravity    | 1.99 g/cc | 1.99 g/cc | ASTM D297 |

| Mechanical Properties     | Metric   | English  | Comments   |
|---------------------------|----------|----------|--|
| Hardness, Shore A         | 80       | 80       | ASTM D2240   |
| Tensile Strength at Break | 10.7 MPa | 1550 psi | ASTM D1414   |
| Tensile Strength, Yield   | 4.31 MPa | 625 psi  | @50% Elongation; ASTM D1414  |
|                           | 8.55 MPa | 1240 psi | @100% Elongation; ASTM D1414   |
| Elongation at Break       | 130 %    | 130 %    | ASTM D1414   |
| Compression Set           | 35 %     | 35 %     | 70 hours @ 400 <sup>°</sup> F (204 <sup>°</sup> C) @ 25% deflection; ASTM D395 |

| Thermal Properties               | Metric               | English              | Comments |
|----------------------------------|----------------------|----------------------|----------|
| Maximum Service Temperature, Air | 210 <sup>°</sup> C   | 410 <sup>°</sup> F   |          |
| Minimum Service Temperature, Air | -30.0 <sup>°</sup> C | -22.0 <sup>°</sup> F |          |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Color                  | White |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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