

## Precision Polymer Engineering V75I Fluoroelastomer Compound

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

### Material Notes:

Fluoroelastomer Rubber, 70-80 °IRHD. Copolymer of vinylidene fluoride and hexafluoropropylene. To meet ASTM D2000 line call-out: M2HK710, A1-10, B37, B38, EF31, E078, F15, Z1. Where Z1 = compression set 30% max. ASTM designation = FKM. ISO designation = FPM. Applications: Excellent resistance to oils, fuels and hydraulic fluids at high temperature.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Precision-Polymer-Engineering-V75I-Fluoroelastomer-Compound.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-V75I-Fluoroelastomer-Compound.php)

| Mechanical Properties   | Metric   | English  | Comments                                             |
|-------------------------|----------|----------|------------------------------------------------------|
| Hardness, Shore A       | 75       | 75       | °IRHD; ASTM D1415                                    |
|                         | 85       | 85       | °IRHD, +10 change after 72 hours @ 250°C; ASTM D1415 |
| Tensile Strength, Yield | 7.50 MPa | 1090 psi | -25% change after 72 hours @ 250°C; ASTM D412        |
|                         | 10.0 MPa | 1450 psi | ASTM D412                                            |
| Elongation at Break     | 131.25 % | 131.25 % | -25% change after 72 hours @ 250°C; ASTM D412        |
|                         | 175 %    | 175 %    | ASTM D412                                            |
| Compression Set         | 13 %     | 13 %     | 24 hours @ 200°C; ASTM D395                          |

| Thermal Properties               | Metric    | English   | Comments |
|----------------------------------|-----------|-----------|----------|
| Maximum Service Temperature, Air | 200 °C    | 392 °F    |          |
| Minimum Service Temperature, Air | -20.0 °C  | -4.00 °F  |          |
| Flash Point                      | >= 315 °C | >= 599 °F |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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