

Precision Polymer Engineering E65K Ethylene Propylene Rubber

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

Material Notes:

Peroxide cured, Ethylene Propylene Terpolymer (EPT), 50-70 °IRHD. Terpolymer of ethylene, propylene and diene monomers. Specially formulated for sealing sulphur hexafluoride (SF6) gas in electrical distribution equipment. Applications: Excellent resistance to silicone based oils and greases. Low compression set properties. Specifically designed for sealing SF6 gas in electrical distribution equipment, i.e. medium & high voltage switchgear.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-E65K-Ethylene-Propylene-Rubber.php

| Mechanical Properties | Metric | English | Comments |
|-------------------------|----------|----------|--|
| Hardness, Shore A | 65 | 65 | °IRHD; ASTM D1415 |
| | 75 | 75 | °IRHD, +10 change after 70 hours @ 100°C; ASTM D1415 |
| Tensile Strength, Yield | 8.50 MPa | 1230 psi | -15% change after 70 hours @ 100°C; ASTM D412 |
| | 10.0 MPa | 1450 psi | ASTM D412 |
| Elongation at Break | 110 % | 110 % | -45% change after 70 hours @ 100°C; ASTM D412 |
| | 200 % | 200 % | ASTM D412 |
| Compression Set | 25 % | 25 % | 70 hours @ 100°C; ASTM D395 |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|-----------|-----------|-----------------------------|
| Maximum Service Temperature, Air | 150 °C | 302 °F | |
| Minimum Service Temperature, Air | -45.0 °C | -49.0 °F | |
| | -40.0 °C | -40.0 °F | Non-brittle after 3 minutes |
| Flash Point | >= 200 °C | >= 392 °F | |

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