

## Precision Polymer Engineering E70I Ethylene Propylene Rubber

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

### Material Notes:

Resin cured Ethylene Propylene Terpolymer, 70-75 °IRHD. Terpolymer of ethylene, propylene and diene monomers. Formulated for applications involving water and steam. Applications: Recommended for use in steam raising plant and heat exchanger equipment. Water and steam resistance is superior to that of Sulphur or Peroxide cured variants. Not suitable for use with mineral or di-ester based lubricants.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Precision-Polymer-Engineering-E70I-Ethylene-Propylene-Rubber.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-E70I-Ethylene-Propylene-Rubber.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	74	74	°IRHD; ASTM D1415
	84	84	°IRHD, +10 change after 70 hours @ 150°C; ASTM D1415
Tensile Strength, Yield	10.4 MPa	1510 psi	-20% change after 70 hours @ 150°C; ASTM D412
	13.0 MPa	1890 psi	ASTM D412
Elongation at Break	120 %	120 %	-20% change after 70 hours @ 150°C; ASTM D412
	150 %	150 %	ASTM D412
Compression Set	15 %	15 %	24 hours @ 150°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	180 °C	356 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	Non-brittle after 3 minutes
	-30.0 °C	-22.0 °F	
Flash Point	>= 200 °C	>= 392 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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