

Precision Polymer Engineering E50D Ethylene Propylene Rubber

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

Material Notes:

Sulphur cured, Ethylene Propylene Terpolymer, 46-55 °IRHD. Terpolymer of ethylene, propylene and diene monomers. Formulated in accordance with BS2494 Type 'W'. Water Research Council (WRC) tested to Water Bylaws Scheme 'Items which have passed full tests of effects on water quality – BS6920' for use in cold potable water applications. Applications: For joint rings, sealing rings and gaskets used in pipes and fittings associated with potable water systems. WRC approved for cold water applications. WRC Approval No: 9912513.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-E50D-Ethylene-Propylene-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	°IRHD; ASTM D1415
	55	55	°IRHD, +5 change after 168 hours @ 70°C; ASTM D1415
Tensile Strength, Yield	7.20 MPa	1040 psi	-20% change after 168 hours @ 70°C; ASTM D412
	9.00 MPa	1310 psi	ASTM D412
Elongation at Break	262.5 %	262.5 %	-30% change after 168 hours @ 70°C; ASTM D412
	375 %	375 %	ASTM D412
Compression Set	20 %	20 %	22 hours @ 70°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 °C	257 °F	
Minimum Service Temperature, Air	-30.0 °C	-22.0 °F	
Flash Point	>= 200 °C	>= 392 °F	

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