

Precision Polymer Engineering E70D Ethylene Propylene Rubber

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

Material Notes:

Sulphur cured, Ethylene Propylene Terpolymer, 60-70 °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: 0210529

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-E70D-Ethylene-Propylene-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65	65	°IRHD; ASTM D1415
	70	70	°IRHD, +5 change after 168 hours @ 70°C; ASTM D1415
Tensile Strength, Yield	11.2 MPa	1620 psi	-20% change after 168 hours @ 70°C; ASTM D412
	14.0 MPa	2030 psi	ASTM D412
Elongation at Break	304.5 %	304.5 %	-30% change after 168 hours @ 70°C; ASTM D412
	435 %	435 %	ASTM D412
Compression Set	14 %	14 %	22 hours @ 70°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	150 °C	302 °F	
Minimum Service Temperature, Air	-30.0 °C	-22.0 °F	
Flash Point	>= 200 °C	>= 392 °F	

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