

Precision Polymer Engineering N70C Nitrile Rubber

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

Material Notes:

Nitrile Butadiene Rubber (NBR), 65-75 °IRHD. High acrylonitrile (ACN) content. Copolymer of acrylonitrile and butadiene. To meet British Gas Specification BGC/PS/LC6 Class D, approval ref.: 31/6.1.vii. MSL lab code 2P.670. Also meets British Standard BS2494 Type G. Applications: Elastomeric seals for use in pipelines carrying manufactured or natural gas at operating temperatures of -5°C to +40°C and pressures up to 7 bar.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-N70C-Nitrile-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	°IRHD; ASTM D1415
	75	75	°IRHD, +5 change after 70 hours @ 100°C; ASTM D1415
Tensile Strength, Yield	8.10 MPa	1170 psi	-10% change after 70 hours @ 100°C; ASTM D412
	9.00 MPa	1310 psi	ASTM D412
Elongation at Break	150 %	150 %	-25% change after 70 hours @ 100°C; ASTM D412
	200 %	200 %	ASTM D412
Compression Set	12 %	12 %	24 hours @ 70°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	120 °C	248 °F	
Minimum Service Temperature, Air	-30.0 °C	-22.0 °F	
Flash Point	>= 300 °C	>= 572 °F	

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