

Precision Polymer Engineering Perlast® G70H Perfluoroelastomer

Category : Polymer , Thermoset , Fluoropolymer, TS , Thermoset Fluoroelastomer , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Special, pure white compound with high temperature properties and wide chemical resistance. Has excellent chemical resistance, steam resistance and mechanical properties. Extremely low outgassing properties. Applications: For use in applications which require exposure to temperatures in excess of 260°C (500°F) and shorter term to 310°C (590°F). Recommended for use in the semiconductor industry. Do not use any Perlast® grade with molten alkali metals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-Perlast-G70H-Perfluoroelastomer.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	63	63	°IRHD, -7 change after 72 hours @ 260°C; ASTM D1415
	70	70	°IRHD; ASTM D1415
Tensile Strength, Yield	14.7 MPa	2130 psi	ASTM D412
	17.346 MPa	2515.8 psi	18% change after 72 hours @ 250°C; ASTM D412
Elongation at Break	192 %	192 %	-4% change after 72 hours @ 250°C; ASTM D412
	200 %	200 %	ASTM D412
100% Modulus	0.008184 GPa	1.187 ksi	-12% change after 72 hours @ 250°C; ASTM D412
	0.00930 GPa	1.35 ksi	ASTM D412
Compression Set	17 %	17 %	24 hours @ 200°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	310 °C	590 °F	
Minimum Service Temperature, Air	-15.0 °C	5.00 °F	
Flash Point	>= 400 °C	>= 752 °F	

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