

Precision Polymer Engineering Perlast® G71H Perfluoroelastomer

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

Material Notes:

Special, white compound, with PTFE blended for improved dynamic performance. Has excellent chemical resistance, steam resistance and mechanical properties. Extremely low outgassing properties. Applications: Particularly suitable for dynamic applications where a combination of high temperature stability and wide chemical resistance is required. For use in applications which require exposure to temperatures in excess of 260°C (500°F) and shorter term to >310°C (590°F). 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-G71H-Perfluoroelastomer.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	61	61	°IRHD, -9 change after 72 hours @ 250°C; ASTM D1415
	70	70	°IRHD; ASTM D1415
Tensile Strength, Yield	14.0 MPa	2030 psi	ASTM D412
	17.08 MPa	2477 psi	22% change after 72 hours @ 250°C; ASTM D412
Elongation at Break	195.3 %	195.3 %	-7% change after 72 hours @ 250°C; ASTM D412
	210 %	210 %	ASTM D412
100% Modulus	0.007176 GPa	1.041 ksi	-22% change after 72 hours @ 250°C; ASTM D412
	0.00920 GPa	1.33 ksi	ASTM D412
Compression Set	23 %	23 %	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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