

Precision Polymer Engineering Perlast® G70T Perfluoroelastomer

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

Material Notes:

A black perfluoroelastomer compound with excellent steam resistance and mechanical properties. It has extremely low outgassing properties. Applications: For use in applications which require long-term exposure to temperatures in excess of 260°C (500°F) and short term up 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-G70T-Perfluoroelastomer.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	°IRHD; ASTM D1415
	71	71	°IRHD, +1 change after 72 hours @ 250°C; ASTM D1415
Tensile Strength, Yield	15.138 MPa	2195.6 psi	-13% change after 72 hours @ 250°C; ASTM D412
	17.4 MPa	2520 psi	ASTM D412
Elongation at Break	144 %	144 %	ASTM D412
	161.28 %	161.28 %	12% change after 72 hours @ 250°C; ASTM D412
100% Modulus	0.007315 GPa	1.061 ksi	-45% change after 72 hours @ 250°C; ASTM D412
	0.0133 GPa	1.93 ksi	ASTM D412
Compression Set	18 %	18 %	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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