

Precision Polymer Engineering Perlast® G80X 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 exposure to temperatures up to 330°C (625°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-G80X-Perfluoroelastomer.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	78	78	°IRHD; ASTM D1415
	79	79	°IRHD, +1 change after 72 hours @ 200°C; ASTM D1415
Tensile Strength, Yield	14.9 MPa	2160 psi	ASTM D412
	15.645 MPa	2269.1 psi	5% change after 72 hours @ 200°C; ASTM D412
Elongation at Break	190 %	190 %	ASTM D412
	193.8 %	193.8 %	2% change after 72 hours @ 200°C; ASTM D412
100% Modulus	0.00560 GPa	0.812 ksi	ASTM D412
	0.00630 GPa	0.914 ksi	12.5% change after 72 hours @ 200°C; ASTM D412
Compression Set	24 %	24 %	24 hours @ 200°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	330 °C	626 °F	
Minimum Service Temperature, Air	-15.0 °C	5.00 °F	
Flash Point	>= 400 °C	>= 752 °F	

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