

Precision Polymer Engineering Perlast® G80A Perfluoroelastomer

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

Material Notes:

A black general purpose perfluoroelastomer compound with excellent chemical resistance, steam resistance and mechanical properties.

Extremely low outgassing properties.Applications: 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-G80A-Perfluoroelastomer.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	°IRHD; ASTM D1415
	80	80	°IRHD, 0 change after 72 hours @ 250°C; ASTM D1415
Tensile Strength, Yield	18.779 MPa	2723.7 psi	-11% change after 72 hours @ 250°C; ASTM D412
	21.1 MPa	3060 psi	ASTM D412
Elongation at Break	120 %	120 %	ASTM D412
	174 %	174 %	45% change after 72 hours @ 250°C; ASTM D412
100% Modulus	0.00968 GPa	1.40 ksi	-45% change after 72 hours @ 250°C; ASTM D412
	0.0176 GPa	2.55 ksi	ASTM D412
Compression Set	15 %	15 %	24 hours @ 200°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	260 °C	500 °F	
Minimum Service Temperature, Air	-15.0 °C	5.00 °F	
Flash Point	>= 400 °C	>= 752 °F	

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