

Precision Polymer Engineering Perlast® G90A Perfluoroelastomer

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

Material Notes:

A black general purpose perfluoroelastomer compound with exceptionally high chemical resistance and excellent 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-G90A-Perfluoroelastomer.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	86	86	°IRHD; ASTM D1415
	87	87	°IRHD, +1 change after 72 hours @ 250°C; ASTM D1415
Tensile Strength, Yield	20.7 MPa	3000 psi	-10% change after 72 hours @ 250°C; ASTM D412
	23.0 MPa	3340 psi	ASTM D412
Elongation at Break	105 %	105 %	ASTM D412
	152.25 %	152.25 %	45% change after 72 hours @ 250°C; ASTM D412
100% Modulus	0.01045 GPa	1.516 ksi	-45% change after 72 hours @ 250°C; ASTM D412
	0.0190 GPa	2.76 ksi	ASTM D412
Compression Set	22 %	22 %	24 hours @ 200°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	260 °C	500 °F	
Minimum Service Temperature, Air	-10.0 °C	14.0 °F	
Flash Point	>= 400 °C	>= 752 °F	

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