

Precision Polymer Engineering Perlast® G80S FFKM White Perfluoroelastomer

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

Material Notes:

Perlast ® G80S FFKM is a White Perfluoroelastomer 76-85 °IRHD. It has excellent chemical resistance, steam resistance and mechanical properties. Suitable for use in all food applications, and extraction tested in accordance with United States Food and Drug Administration (FDA) requirements, Code of Federal Regulations CFR 21 § 177.2600(e,f). In July 2004, G80S gained Food Contact Notification status (FCN) from the FDA (FCN000402). Applications: All food 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-G80S-FFKM-White-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	11.041 MPa	1601.4 psi	-39% change after 72 hours @ 250°C; ASTM D412
	18.1 MPa	2630 psi	ASTM D412
Elongation at Break	130 %	130 %	ASTM D412
	143 %	143 %	10% change after 72 hours @ 250°C; ASTM D412
100% Modulus	0.01079 GPa	1.565 ksi	-35% change after 72 hours @ 250°C; ASTM D412
	0.0166 GPa	2.41 ksi	ASTM D412
Compression Set	36 %	36 %	24 hours @ 150°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	

Descriptive Properties	Value	Comments
Extraction Test, 21 CFR 177.2600 (e,f)	pass	Distilled Water
	pass	n-Hexane

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China