

## Precision Polymer Engineering Perlast® G50S FFKM White Perfluoroelastomer

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

### Material Notes:

Perlast® G50S FFKM is a White Perfluoroelastomer 50-55 °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, G50S 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-G50S-FFKM-White-Perfluoroelastomer.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-Perlast-G50S-FFKM-White-Perfluoroelastomer.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	54	54	°IRHD; ASTM D1415
	56	56	°IRHD, +2 change after 72 hours @ 250°C; ASTM D1415
Tensile Strength, Yield	6.525 MPa	946.4 psi	-25% change after 72 hours @ 250°C; ASTM D412
	8.70 MPa	1260 psi	ASTM D412
Elongation at Break	300 %	300 %	ASTM D412
	330 %	330 %	10% change after 72 hours @ 250°C; ASTM D412
Compression Set	35 %	35 %	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](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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