

## Precision Polymer Engineering Perlast® G90S White Perfluoroelastomer

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

### Material Notes:

Perlast ® G90S is a White Perfluoroelastomer 86-95 °IRHD with excellent chemical resistance, steam resistance and mechanical properties. Suitable for use in all food applications, and formulated in accordance with United States Food and Drug Administration (FDA) requirements, Code of Federal Regulations Title 21 (CFR21), Section 177.2600. In July 2004, G70S gained Food Contact Notification status (FCN) from the FDA (FCN000402). Applications: Approved according to FDA regulations for repeated use in equipment associated with the production of foodstuffs intended for human consumption. 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-G90S-White-Perfluoroelastomer.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-Perlast-G90S-White-Perfluoroelastomer.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	°IRHD; ASTM D1415
	92	92	°IRHD, +2 change after 72 hours @ 250°C; ASTM D1415
Tensile Strength, Yield	9.30 MPa	1350 psi	-25% change after 72 hours @ 250°C; ASTM D412
	12.4 MPa	1800 psi	ASTM D412
Elongation at Break	150 %	150 %	ASTM D412
	165 %	165 %	10% change after 72 hours @ 250°C; ASTM D412
Compression Set	32 %	32 %	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	

## Contact Songhan Plastic Technology Co.,Ltd.

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