

## Precision Polymer Engineering Perlast® G80H Perfluoroelastomer

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

### Material Notes:

Special, pure white compound with high temperature properties and wide chemical resistance. Has excellent chemical resistance, steam resistance and mechanical properties. Extremely low outgassing properties. Applications: For use in applications which require exposure to temperatures in excess of 260°C (500°F) and shorter term to 310°C (590°F). Recommended for use in the semiconductor industry. 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-G80H-Perfluoroelastomer.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-Perlast-G80H-Perfluoroelastomer.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	81	81	°IRHD; ASTM D1415
	81	81	°IRHD, 0 change after 72 hours @ 250°C; ASTM D1415
Tensile Strength, Yield	15.322 MPa	2222.3 psi	-6% change after 72 hours @ 260°C; ASTM D412
	16.3 MPa	2360 psi	ASTM D412
Elongation at Break	160 %	160 %	ASTM D412
	172.8 %	172.8 %	8% change after 72 hours @ 260°C; ASTM D412
100% Modulus	0.011316 GPa	1.6413 ksi	-8% change after 72 hours @ 260°C; ASTM D412
	0.0123 GPa	1.78 ksi	ASTM D412
Compression Set	22 %	22 %	24 hours @ 200°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	310 °C	590 °F	
Minimum Service Temperature, Air	-15.0 °C	5.00 °F	
Flash Point	>= 400 °C	>= 752 °F	

## 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