

## Precision Polymer Engineering Perlast® G81H Perfluoroelastomer

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

### Material Notes:

Special, pure white compound with PTFE blended for improved dynamic performance. Has excellent chemical resistance, steam resistance and mechanical properties. Extremely low outgassing properties. Applications: Particularly suitable for dynamic applications which require long-term 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-G81H-Perfluoroelastomer.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-Perlast-G81H-Perfluoroelastomer.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	°IRHD; ASTM D1415
	81	81	°IRHD, +1 change after 72 hours @ 260°C; ASTM D1415
Tensile Strength, Yield	14.616 MPa	2119.9 psi	-13% change after 72 hours @ 260°C; ASTM D412
	16.8 MPa	2440 psi	ASTM D412
Elongation at Break	150 %	150 %	ASTM D412
	163.5 %	163.5 %	9% change after 72 hours @ 260°C; ASTM D412
100% Modulus	0.010146 GPa	1.4716 ksi	-11% change after 72 hours @ 260°C; ASTM D412
	0.0114 GPa	1.65 ksi	ASTM D412
Compression Set	28 %	28 %	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