

## Precision Polymer Engineering Perlast® G70A Perfluoroelastomer

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

**Material Notes:**

A black general purpose perfluoroelastomer compound with exceptionally high chemical resistance and excellent steam resistance and mechanical properties. Extremely low outgassing properties. 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-G70A-Perfluoroelastomer.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-Perlast-G70A-Perfluoroelastomer.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	°IRHD; ASTM D1415
	70	70	°IRHD, 0 change after 72 hours @ 250°C; ASTM D1415
Tensile Strength, Yield	15.747 MPa	2283.9 psi	-13% change after 72 hours @ 250°C; ASTM D412
	18.1 MPa	2630 psi	ASTM D412
Elongation at Break	140 %	140 %	ASTM D412
	190.4 %	190.4 %	36% change after 72 hours @ 250°C; ASTM D412
100% Modulus	0.008052 GPa	1.168 ksi	-39% change after 72 hours @ 250°C; ASTM D412
	0.0132 GPa	1.91 ksi	ASTM D412
Compression Set	10 %	10 %	24 hours @ 200°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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