

## Precision Polymer Engineering Perlast® G70K Perfluoroelastomer

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

### Material Notes:

Special white compound with wide chemical resistance. Has excellent chemical resistance, steam resistance and mechanical properties. Extremely low outgassing properties. Applications: Recommended for use against strong oxidizing agents. 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-G70K-Perfluoroelastomer.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-Perlast-G70K-Perfluoroelastomer.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	°IRHD; ASTM D1415
	71	71	°IRHD, +1 change after 72 hours @ 250°C; ASTM D1415
Tensile Strength, Yield	10.304 MPa	1494.5 psi	-36% change after 72 hours @ 250°C; ASTM D412
	16.1 MPa	2340 psi	ASTM D412
Elongation at Break	155 %	155 %	ASTM D412
	170.5 %	170.5 %	10% change after 72 hours @ 250°C; ASTM D412
100% Modulus	0.009248 GPa	1.341 ksi	-32% change after 72 hours @ 250°C; ASTM D412
	0.0136 GPa	1.97 ksi	ASTM D412
Compression Set	28 %	28 %	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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