

## Precision Polymer Engineering Perlast® G70R Red Perfluoroelastomer

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

### Material Notes:

Excellent chemical resistance, steam resistance and good mechanical properties. Color coded for identification. Applications: Specially developed for critical applications where good chemical resistance coupled with easy identification is required. Particularly suited for the Chemical Process and Analytical Science industries. 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-G70R-Red-Perfluoroelastomer.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-Perlast-G70R-Red-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	10.4 MPa	1510 psi	-35% change after 72 hours @ 250°C; ASTM D412
	16.0 MPa	2320 psi	ASTM D412
Elongation at Break	150 %	150 %	ASTM D412
	165 %	165 %	10% change after 72 hours @ 250°C; ASTM D412
100% Modulus	0.00945 GPa	1.37 ksi	-30% change after 72 hours @ 250°C; ASTM D412
	0.0135 GPa	1.96 ksi	ASTM D412
Compression Set	35 %	35 %	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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