

## Precision Polymer Engineering Perlast® G75S Perfluoroelastomer

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

### Material Notes:

Perlast® G75S has been specifically developed to cope with a wide range of process media, potent active pharmaceutical ingredients (APIs) and aggressive cleaning agents, being especially suited to withstand steam-in-place (SIP) and clean-in-place (CIP) procedures within pipe work and vessels. G75S is also suitable for other critical applications such as Water-For-Injection (WFI) systems. Perlast® G75S is an all round material that can be used for all types of applications requiring FDA and USP Class VI compliance. It is suitable for use in all product contact applications including dry, aqueous and fatty media. Unlike other FDA compliant elastomers, Perlast® G75S is thermally stable at higher temperatures, and is ideal for use in applications which require exposure to temperatures up to 310°C (590°F) making it suitable for use in Stage II Sterilization processes. Perlast® G75S is suitable for both dynamic and static applications and can be moulded into O-rings and custom shapes. Applications: Recommended for use in pharmaceutical, bio-analytical and food processing applications, where both mechanical and chemical properties are crucial, and hygienic sealing capability is critical. Dynamic Seals: Split butterfly valve seals; Ball segment valve seals. Static Seals: O-rings; Pressure safety rings; Gaskets; Hygienic & sanitary couplings; Mechanical seals for stirring/mixing screws & pumps

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Precision-Polymer-Engineering-Perlast-G75S-Perfluoroelastomer.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-Perlast-G75S-Perfluoroelastomer.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	75	75	ASTM D1415
	80	80	ASTM D2240
Tensile Strength, Yield	19.0 MPa	2760 psi	ASTM D412
Elongation at Break	237 %	237 %	ASTM D412
100% Modulus	0.00880 GPa	1.28 ksi	ASTM D412
Compression Set	20 %	20 %	72 hours @ 200°C; ASTM D395

Thermal Properties	Metric	English	Comments
CTE, linear	300 µm/m-°C	167 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Maximum Service Temperature, Air	310 °C	590 °F	
Minimum Service Temperature, Air	-15.0 °C	5.00 °F	

Descriptive Properties	Value	Comments
Color	white	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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