

Perlast® G75G

Green multi-purpose perfluoroelastomer

PERLAST®

Description

Perlast® G75G is an easily identifiable, cost effective perfluoroelastomer designed to meet the sealing needs of many industrial applications requiring broad chemical resistance.

The green colour of Perlast® G75G aids stock control, preventing it from being confused with lower cost, commodity elastomers.

Perlast® G75G offers high sealing efficiency and provides excellent resistance to highly aggressive acids, bases, amines, chlorine and solvent-based chemistries.

Key Attributes

- ▶ Green in colour
- ▶ Broad chemical resistance
- ▶ High temperature resistance

Typical Applications

Chemical distribution tanker seals
Soap dispenser seals

Other materials in this range

Perlast® G75M (Black chemically resistant grade)
Perlast® G75B (Black high temperature grade)
Perlast® G74S (White FDA compliant grade)

Perfluoroelastomers are not suitable for use with molten alkali metals.



Typical Material Properties

Property	ASTM	ISO	Value
Material Type	FFKM	FFPM	
Colour			Green
Hardness: (°IRHD) (Shore A)	D1415 D2240	ISO48	73
Tensile Strength (MPa)	D412	ISO37	16.8
Elongation at break (%)	D412	ISO37	238
100% Modulus (MPa)	D412	ISO37	9.6
Compression Set (%): 24 hrs @ 200°C (392°F)	D395	ISO815	19.7
Minimum Operating Temperature			-15°C (+5°F)
Maximum Operating Temperature			+310°C (+590°F)
Coefficient of Thermal Expansion (°C ⁻¹)			

SPECIAL NOTE: This information is to the best of our knowledge accurate and reliable. However, PPE Ltd makes no warranty, expressed or implied, that parts manufactured from this material will perform satisfactorily in the customer's application. It is the customer's responsibility to evaluate parts prior to use, especially in applications where their failure may result in injury and/or damage. It should also be noted that all elastomeric parts have a finite life, therefore a regular program of inspection and replacement is strongly recommended. In non-black grades of elastomer, it is possible to observe slight variations in colour. This is normal and is inherent in the part; it is not indicative of foreign matter. These colour variations are not expected to adversely affect the performance of the part. The material properties above should not be used for specification purposes.

Perlast® is a registered trademark of Precision Polymer Engineering Limited.



Seal & Design
Corporate Headquarters
Ph: (716)-759-3344
Info@SealAndDesign.com
www.SealAndDesign.com