Product Data Sheet

Perlast® G76W

A cost effective perfluoroelastomer with excellent chemical resistance

PERLAST®

Description

Perlast® G76W is an ivory coloured perfluoroelastomer developed as a cost effective material for use in demanding applications within the industrial, analytical and automotive sectors.

Perlast® G76W incorporates a reinforcing filler system which delivers outstanding chemical resistance against a wide range of chemicals and solvents typically used in paint spray, chromatography, mass spectroscopy, detergent dispensers, printing and industrial applications.

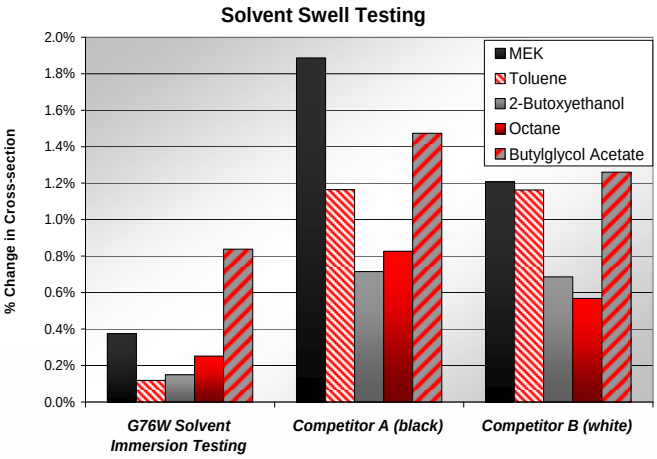
Perlast® G76W provides excellent sealing performance in cost sensitive applications and its superior chemical resistance is complimented by exceptionally low compression set, high elongation and high tensile strength, ensuring maximum sealing efficiency. High elongation allows easy installation into small diameter piston grooves.

Key Attributes

- Cost effective high performance perfluoroelastomer
- Outstanding solvent resistance
- Excellent resistance to reactive chemistries and oxidising agents
- Low compression set
- High sealing efficiency
- Strong physical characteristics
- Easy to install

Typical Applications

O-rings
Static & Dynamic seals
Lip Seals
Check Valves
Miniature Pumps & Valves
Paint Spray Heads
Ink Jet heads
Detergent Dispensers



Typical Material Properties

Property	ASTM	ISO	Value
Material Type	FFKM	FFPM	
Colour			Ivory
Hardness: (°IRHD)	D1415	ISO48	70
(Shore A)	D2240	ISO7619	75
Tensile Strength (MPa)	D412	ISO37	20.0
Elongation at break (%)	D412	ISO37	150
100% Modulus (MPa)	D412	ISO37	7.8
Compression Set (%): 22 hrs @ 200°C (392°F)	D395	ISO815	20
Minimum Operating Temperature			-15°C (+5°F)
Maximum Operating Temperature			+260°C (+500°F)

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 effect the performance of the part.*
The material properties above should not to be used for specification purposes.