

Perlast® G76W

Perfluoroelastomer

Precision Polymer Engineering Ltd.

Message:

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

General Information			
Features	Low compressive deformability		
	High strength		
	Solvent resistance		
	Antioxidation		
	Good chemical resistance		
	Extended tensile rate		
Uses	Pump parts		
	Valve/valve components		
	Industrial application		
	Seals		
	Application in Automobile Field		
Appearance	Ivory		
Hardness	Nominal Value	Test Method	
Durometer Hardness (Shore A)	75	ASTM D2240, ISO 7619	
IRHD Hardness	70	ASTM D1415, ISO 48	
Elastomers	Nominal Value	Unit	Test Method

Tensile Stress (100% Strain)	7.80	MPa	ASTM D412, ISO 37
Tensile Strength (Yield)	20.0	MPa	ASTM D412, ISO 37
Tensile Elongation (Break)	150	%	ASTM D412, ISO 37
Compression Set (200°C, 22 hr)	20	%	ASTM D395, ISO 815
Thermal	Nominal Value	Unit	
Maximum Operating Temperature	260	°C	
Additional Information			

Minimum Operating Temperature: -15°C (+5°F)

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