

## PERLAST® G76W

A cost effective perfluoroelastomer with excellent plasma resistance

### Description

Perlast® G76W is an ivory coloured perfluoroelastomer developed as a 'clean' high performance material for use in demanding applications within the semiconductor and flat panel display industries.

Perlast® G76W incorporates a reinforcing filler system which delivers outstanding chemical resistance, combined with excellent plasma resistance and superior mechanical properties.

Perlast® G76W provides excellent sealing performance due to its exceptionally low compression set, high elongation and high tensile strength, ensuring maximum sealing efficiency.



### Key Attributes

- Cost effective high performance perfluoroelastomer
- Excellent resistance to plasma gases
- Low compression set
- High sealing efficiency
- Strong physical characteristics
- Easy to install

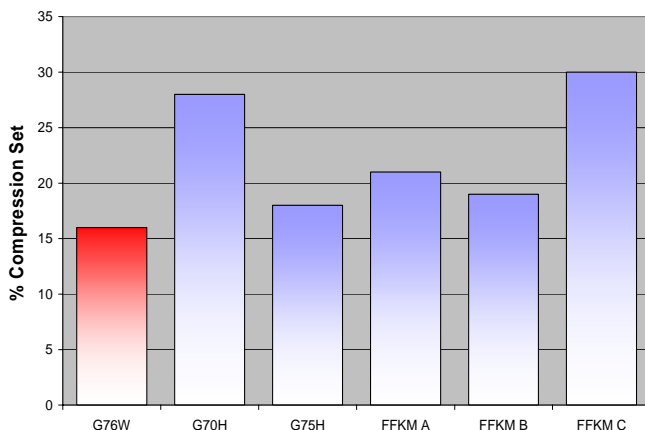
### Typical Applications

O-rings  
 Slit valve seals  
 Static & Dynamic seals  
 Lip Seals  
 Check Valves  
 Pumps & Valves

### Typical Material Properties

Property	ASTM	ISO	Value
Material Type	FFKM	FFPM	
Colour			Ivory
Hardness: (°IRHD) (Shore A)	D1415	ISO48	70
	D2240	ISO7619	75
Tensile Strength (MPa)	D412	ISO37	15.0
Elongation at break (%)	D412	ISO37	200
100% Modulus (MPa)	D412	ISO37	7.8
Compression Set (%): 72 hrs @ 200°C (392°F)			
	D395	ISO815	16
Minimum Operating Temperature			-15°C (+5°F)
Maximum Operating Temperature			+240°C (+464°F)

**Compression Set Testing**  
72 hours @ 200°C (392°F)



**SPECIAL NOTE:** This information is to the best of our knowledge accurate and reliable. However, Perlast 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.

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