

Perlast® G75M

Perfluoroelastomer

Precision Polymer Engineering Ltd.

Message:

Perlast® G75M is a black, multi-purpose, perfluoroelastomer compound that provides ultimate all-round resistance to a broad range of chemicals. Perlast® G75M offers an extremely low compression set, with modulus and hardness optimized to suit the majority of sealing applications. Perlast® G75M is ideally suited for use in mechanical seals and multi- substance chemical plants. Perlast® G75M can be moulded into O-rings (any size up to 2m/6.5ft diameter) and custom shapes.

- Key Attributes
- Extremely low compression set
 - Superior long-term sealing efficiency
 - Broad chemical resistance
 - High mechanical strength
- Typical Applications
- Pumps
 - Valves
 - Mechanical seals
 - Chemical process and refining industries
 - Couplings & fittings

General Information			
Features	Low compressive deformability		
	High strength		
	Good chemical resistance		
Uses	Pump parts		
	Valve/valve components		
	Seals		
	Accessories		
Appearance	Black		
Hardness	Nominal Value	Test Method	
Durometer Hardness (Shore A)	75	ASTM D2240	
IRHD Hardness	72	ASTM D1415, ISO 48	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	9.00	MPa	ASTM D412, ISO 37
Tensile Strength (Yield)	18.0	MPa	ASTM D412, ISO 37
Tensile Elongation (Break)	150	%	ASTM D412, ISO 37
Compression Set (200°C, 72 hr)	20	%	ASTM D395, ISO 815
Thermal	Nominal Value	Unit	
Maximum Operating Temperature	260	°C	
Coefficient of Linear Thermal Expansion	4.30E-4		
Additional Information			
Minimum Operating Temperature: -15°C (+5°F)			

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

