

Precision Polymer V75J

Fluoroelastomer

Precision Polymer Engineering Ltd.

Message:

V75J is a peroxide-cured terpolymer formulated for high performance sealing applications in today's aggressive industrial environments. V75J has been developed to provide outstanding resistance to hot water and steam (above 150°C/302°F) without the use of litharge (lead oxide) curatives.

V75J also offers superior resistance to acids, oils, coolants and hydraulic fluids, making it ideal for use in chemical processing equipment and certain critical diesel engine locations.

Key Attributes

- Excellent resistance to hot water and steam
- Excellent resistance to oils, fuels and hydraulic fluids
- High temperature performance
- Superior long-term sealing performance

Typical Applications

- Marine diesel engines (valve seats & liner rings)
- Heat exchangers
- Paper/pulp processing equipment
- Hot water/steam systems

General Information			
Features	Low (to no) lead content		
	Fuel resistance		
	Heat resistance, high		
	acid resistance		
	Oil resistance		
	Steam resistance		
Uses	Ship application		
	Valve/valve components		
	Industrial application		
	Seals		
	Application in Automobile Field		
Appearance	Black		
Hardness	Nominal Value	Test Method	
IRHD Hardness	75	ASTM D1415, ISO 48	
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	17.4	MPa	ASTM D412, ISO 37
Tensile Elongation (Break)	300	%	ASTM D412, ISO 37
Compression Set (200°C, 24 hr)	12	%	ASTM D395, ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (150°C, 168 hr)	3.0	%	ASTM D412, ISO 37

Change in Ultimate Elongation in Air (150°C, 168 hr)	-1.0	%	ASTM D412, ISO 37
Change in IRHD Hardness in Air (150°C, 168 hr)	3.0		ASTM D573, ISO 188
Thermal	Nominal Value	Unit	
Maximum Operating Temperature	200	°C	
Additional Information			
Minimum Operating Temperature: -15°C (+5°F)			

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