

Precision Polymer N75L

Acrylonitrile Butadiene Rubber
Precision Polymer Engineering Ltd.

Message:

Nitrile Butadiene Rubber (NBR), 65-75 °IRHD. Ultra-Low acrylonitrile (ACN) content. Copolymer of acrylonitrile and butadiene. To meet ASTM D2000/SAE J200 line call-out: MBF710, B34, F19.

Specifically formulated for use in pure air systems. The low acrylonitrile content of this compound provides excellent resistance to mineral oil, alcohol, paraffin and low-aromatic petrol in sub-zero temperature applications. Not recommended for use with acetone, benzene, chlorinated solvents or high-aromatic petrol. Good water resistance but poor against ozone and weather.

General Information			
Features	Copolymer		
	Alcohol resistance		
	Fuel resistance		
	Oil resistance		
	Low or no water absorption		
Hardness	Nominal Value		Test Method
IRHD Hardness	70		ASTM D1415, ISO 48
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	12.0	MPa	ASTM D412, ISO 37
Tensile Elongation (Break)	280	%	ASTM D412, ISO 37
Compression Set			
100°C, 24 hr	15	%	ASTM D395B
100°C, 24 hr ¹	15	%	ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (100°C, 70 hr)	-10	%	ASTM D412, ISO 37
Change in Ultimate Elongation in Air (100°C, 70 hr)	-22	%	ASTM D412, ISO 37
Change in IRHD Hardness in Air (100°C, 70 hr)	3.0		ASTM D573, ISO 188
Thermal	Nominal Value	Unit	
Maximum Operating Temperature	135	°C	
Low Temperature Resistance - Non-brittle after 3 minutes	-56	°C	
Additional Information	Nominal Value	Unit	
Minimum Operating Temperature: -60°C (-76°F)			
NOTE			
1.	Type B		

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