

Precision Polymer Z70B

Acrylonitrile Butadiene Rubber

Precision Polymer Engineering Ltd.

Message:

Peroxide cured, Hydrogenated Nitrile Butadiene Rubber (HNBR), 65-75 °IRHD. Medium acrylonitrile content (ACN = 34%). To meet ASTM D2000/SAE J200 line call-out M4DH716, A26, B36, EO16, EO36, F17.

High strength and excellent chemical resistance. Higher operating temperature than standard nitrile. Suitable for use with sour (H 2 S) crude oil and gas, which may also include lubricating, oil additives and amine corrosion inhibitors. Good resistance to weathering and ozone.

General Information			
Features	Good Chemical Resistance		
	Good Weather Resistance		
	High Strength		
	Ozone Resistant		
Agency Ratings	ASTM D 2000		
Hardness	Nominal Value		Test Method
IRHD Hardness	70		ASTM D1415, ISO 48
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	16.3	MPa	ASTM D412, ISO 37
Tensile Elongation (Break)	250	%	ASTM D412, ISO 37
Compression Set			
150°C, 24 hr	15	%	ASTM D395B
150°C, 24 hr ¹	15	%	ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (150°C, 70 hr)	10	%	ASTM D412, ISO 37
Change in Ultimate Elongation in Air (150°C, 70 hr)	-10	%	ASTM D412, ISO 37
Change in IRHD Hardness in Air (150°C, 70 hr)	5.0		ASTM D573, ISO 188
Additional Information	Nominal Value	Unit	
Low Temperature Resistance - Non Brittle after 3 mins	-40	°C	
NOTE			
1.	Type B		

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