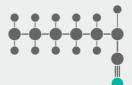




Material Datasheet H-80-40



H-80-40 HNBR offers an improved abrasion resistance and operating temperature range compared to NBR. A material popular in off-highway applications. Dynamics Colour V.Good

Black

S	Oil Compatibility	
	V. Good	
	•	

Operating Temperature -40 to +180°C× Storage Stability

7 Years (ISO 2230)

*Excursions to

ASTM D2000	M3DH 810 A26 B16 E016 E036		
Property	Test Standard	Units	Specification [Value]
Hardness	ASTM D2240	Shore A	80±5 [80]
Tensile strength	ASTM D412	MPa	10 Min. [20.8]
Elongation at break	ASTM D412	%	175 Min. [283]
A26	HEAT AGEING 70H AT 150°C		
Hardness change		Shore A	+10 Max. [+4]
Tensile strength change	ASTM D573	%	-25 Max. [0]
Elongation change		%	-30 Max. [-24]
B16	COMPRESSION SET 22H AT 150°C		
Compression set	ASTM D395 Method B	%	30 Max. [25]
E016	IRM 901 OIL RESISTANCE 70H AT 150°C		
Hardness change		Shore A	-5 to +10 [+1]
Tensile strength change	ASTM D471	%	-20 Max. [+2]
Elongation change	ASTM D471	%	-30 Max. [-17]
Volume change		%	±5 [-2]
EF036	IRM 903 OIL RESISTANCE 70H AT 150°C		
Hardness change		Shore A	-15 Max. [-8]
Tensile strength change	ASTM D471	%	-30 Max. [-6]
Elongation change	ASTIVI D471	%	-30 Max. [-12]
Volume change		%	+25 Max. [+15]

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