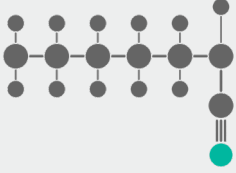


H1

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.

Colour
Black

Dynamics
V. Good

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	ASTM D573	Shore A	+10 Max. [+4]
Tensile strength change		%	-25 Max. [0]
Elongation change		%	-30 Max. [-24]

B16 COMPRESSION SET 22H AT 150°C

Compression set	ASTM D395 Method B	%	30 Max. [25]
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E016 IRM 901 OIL RESISTANCE 70H AT 150°C

Hardness change	ASTM D471	Shore A	-5 to +10 [+1]
Tensile strength change		%	-20 Max. [+2]
Elongation change		%	-30 Max. [-17]
Volume change		%	±5 [-2]

EF036 IRM 903 OIL RESISTANCE 70H AT 150°C

Hardness change	ASTM D471	Shore A	-15 Max. [-8]
Tensile strength change		%	-30 Max. [-6]
Elongation change		%	-30 Max. [-12]
Volume change		%	+25 Max. [+15]