

HNBR 90 Compound 886516



ERIKS' HNBR 886516 is a high performance grade hydrogenated nitrile compound developed for high pressure, down hole applications (RGD or EAD grade)

Description

Chemical composition: Hydrogenated NBR

Physical form: O-rings

Colour: Black

Temperature resistance: -30°C to +160°C

Compliances

- NORSOK M710
- ADI
- REACH
- RoHS

Application

- Down hole
- High pressure
- Rapid gas decompression (RGD or EAD grade)

Please consult our [Chemical Resistance Guide](#) for more information on this compound.



Table 1: Physical properties

Property	Test standard	Value	Unit
Hardness	ASTM D2240	89	Shore A
Elongation at break	ASTM D412	145	%
Tensile strength	ASTM D412	23.8	MPa
Compression set – 70 hours at 150°C Slab	ASTM D395	30	%

Table 2: Ageing properties

Property	Test standard	Value	Unit
Heat ageing – 94 hours at 150°C	ASTM D573		
Hardness change		+5	Shore A
Elongation at break change		-25	%
Tensile strength change		+8	%
Immersion in Pentane – 70 hours at 23°C	ASTM D471		
Hardness change		-9	Shore A
Volume change		+7.5	%