



FKM 90 Compound 514531

ERIKS' 514531 is a high performance grade FKM Ter-polymer with excellent fluid and oil/fuel/solvent resistance. Specially designed for low temperature, high pressure down hole applications (EAD or RGD grade).

Description

Chemical composition: Ter-polymer of Tetrafluoroethylene, vinylidenefluoride and hexafluoropropylene

Physical form: O-rings, moulded parts

Colour: Black

Temperature resistance: -40°C to +200°C

Application

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

Compliances

- NORSOK M710
- NACE TM0297
- NACE TM0187
- TOTAL GS EP PVV 142
- ADI
- REACH
- RoHS

Additional information

- Very good low temperature performance
- Excellent resistance to hydrocarbons and coolants

Please consult our <u>Chemical Resistance Guide</u> for more information on this compound.











Table 1: Physical properties

Property	Test standard	Value	Unit
Hardness	ASTM D2240	91±5	Shore A
Elongation at break	ASTM D412	140	%
Tensile strength	ASTM D412	19	MPa
Compression set – 70 hours at 200°C	ASTM D395		
Slab		25	%
Low temperature resistance TR10	ASTM D1329	-30	°C

Table 2: Ageing properties

Property	Test standard	Value	Unit
Heat ageing – 168 hours at 200°C Hardness change Elongation at break change Tensile strength change	ASTM D573	+3.5 -24.5 -13	Shore A % %
Immersion in ASTM Fuel C – 168 hours at 23°C Hardness change Volume change	ASTM D471	-5.5 +6.5	Shore A %

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