

Viton-Ext 90 (ED)

Viton ETP can resist both aromatic hydrocarbons and alcohol, like high fluorine FKM, and in addition, can resist polar solvents like methyl ethyl ketone as well as both strong acids and bases. It has excellent resistance to hydrogen sulphide, making it a contender for sour environments in the oil industry.

Press Cure	20 minutes @ 165 °C
Post Cure	16 hours @ 220 °C
Service Temperature Range	- 7°C to 200°C
Peak Working Temperature	+ 250°C

Original Properties
BS ISO 48-2 / ASTM D2240 / ISO 37 (Type 2) / ISO 34-1 (Method C)

	Units	Typical Result
Hardness	ShoreA	90
Hardness	IRHD	88
S.G.	-	1.86

Tensile Strength	MPa	22
M100	MPa	14
Elongation to Break	%	164
Tear Strength	N/mm	29

Compression set (24h @ 200°C)
BS ISO 815-1 (Method A)

	Units	Typical Result
Set	%	35

Hot air resistance (72hrs @ 200°C)
BS ISO 188

	Units	Typical Result
Hardness change	ShoreA	+1
Tensile strength change	%	+11
Elongation at break change	%	-16

Immersion in IRM903 oil (72hrs @ 150°C)
BS ISO 1817

	Units	Typical Result
Hardness change	ShoreA	+1
Tensile strength change	%	+11
Elongation at break change	%	-16
Volume change	%	+3

Gehman Low Temperature Torsional Stiffness
BS ISO 1432

	Units	Typical Result
Temperature at 70MPa	°C	-7

IMPORTANT NOTE

All information based on judgment is offered in good faith. Where no empirical data for the compound exists Clwyd Compounders Ltd. accepts no liability express or implied as to its validity.

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