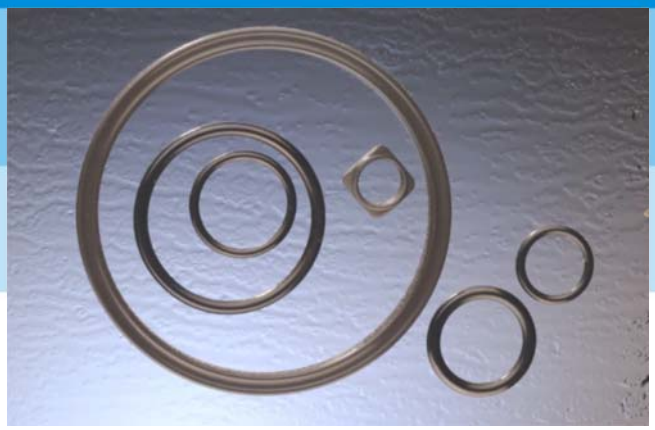
MATERIAL TEST DATA

TRP COMPOUND REFERENCE
N°: F207 (page 1 of 2)



Polymer Type: Ultra Low Temperature Fluorocarbon Rubber (FKM)

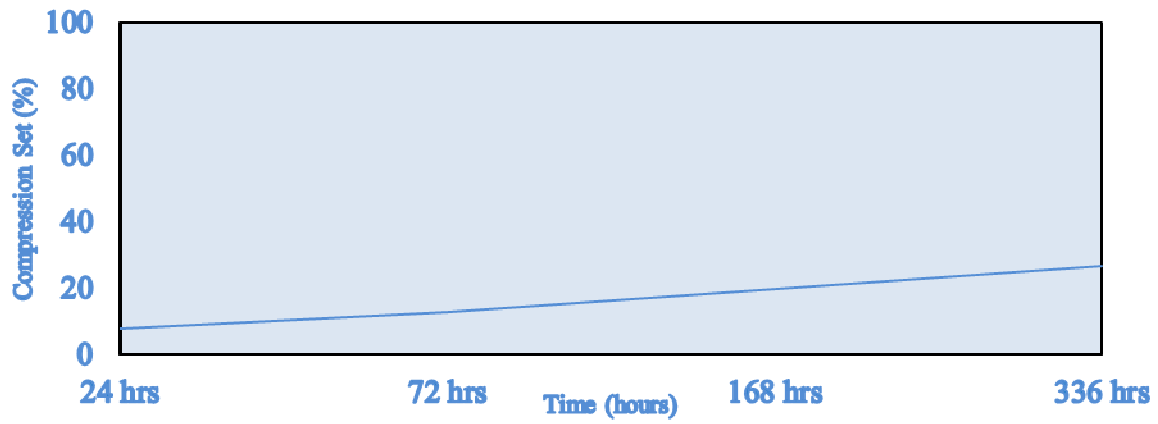
Description

This material is formulated to give the best possible low temperature performance from a highly fluorinated elastomer compound. Suitable for sealing against a wide range of oils, fuels, chlorinated solvent and methanol. It gives excellent resistance to concentrated acids and aqueous chemicals at elevated temperatures. **Service Temperature -55°C (-67°F) to 200°C (390°F).**

TYPICAL PHYSICAL PROPERTIES	Property	Typical Values	Test Standard
	Colour	Black	
	Hardness (°IRHD)	73	ISO 48
	Tensile Strength (MPa)	16.9	ISO 37
	Modulus @ 100% (MPa)	6.6	ISO 37
	Elongation @ Break (%)	185	ISO 37
	Tear Strength (N/mm)	14.5	ISO 34
	Specific Gravity (g/cm^3)	1.85	ISO 2781
	Temperature Retraction TR10 (°C)	-40	ISO 2921

COMPRESSION SET

Typical Compression Set Values in Air @ 175°C Under 25% Strain ISO 815



ULTRA LOW TEMPERATURE DYNAMIC SEALING

TRP POLYMER SOLUTIONS
TRP Polymer Solutions Ltd. Netherwood Road, Rotherwas Industrial Estate, Hereford HR2 6JU
Tel: +44 (0) 1432 268899 Fax: +44 (0) 1432 359594 Email: sales@trp.co.uk Web: www.trp.co.uk

MATERIAL TEST DATA

TRP COMPOUND REFERENCE N°: F207 (page 2 of 2)

Polymer Type: Ultra low Temperature Fluorocarbon Rubber (FKM)

	Property (after 168 hours @ 175°C)	Typical Values	Test Standard
AIR-AGEING	Hardness Change (°IRHD)	+1	ISO 188
	Tensile Change (%)	+2.4	ISO 188
	Elongation Change (%)	+1.1	ISO 188
	Property (after 336 hours @ 175°C)	**Typical Values**	**Test Standard**
	Hardness Change (°IRHD)	+1	ISO 188
	Tensile Change (%)	+2.9	ISO 188
	Elongation Change (%)	+1.1	ISO 188

	Property (after 168 hours @ 100°C)	Typical Values	Test Standard
ABSORPTION TEST	IRM 901 OIL		
	Volume Change (%)	-0.3	ISO 1817
	Hardness Change (°IRHD)	-1	
	IRM 903 OIL		
	Volume Change (%)	-0.1	ISO 1817
	Hardness Change (°IRHD)	-3	
	DISTILLED WATER		
	Volume Change (%)	+1.2	ISO 1817
	Hardness Change (°IRHD)	-1	
	Property (after 168 hours @ 23°C)	**Typical Values**	**Test Standard**
	METHANOL		
	Volume Change (%)	+10	ISO 1817

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