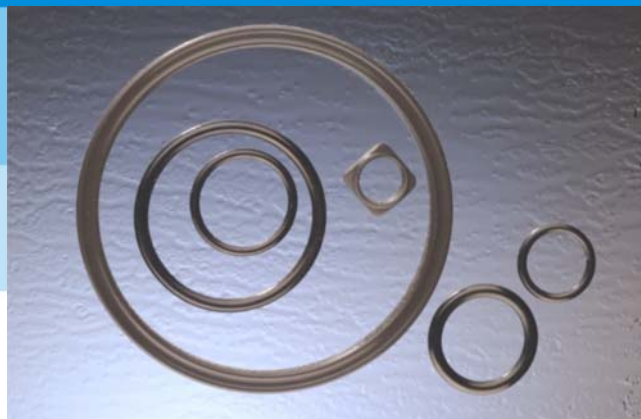


MATERIAL TEST DATA

TRP COMPOUND REFERENCE
N°: F194 (page 1 of 2)

**Polymer Type: Low Temperature
Fluorocarbon Rubber**



Description

A compound formulated to give improved low temperature performance over other fluorocarbon grades. Suitable for sealing against a wide range of oils, fuels and chlorinated solvent. It gives excellent resistance to

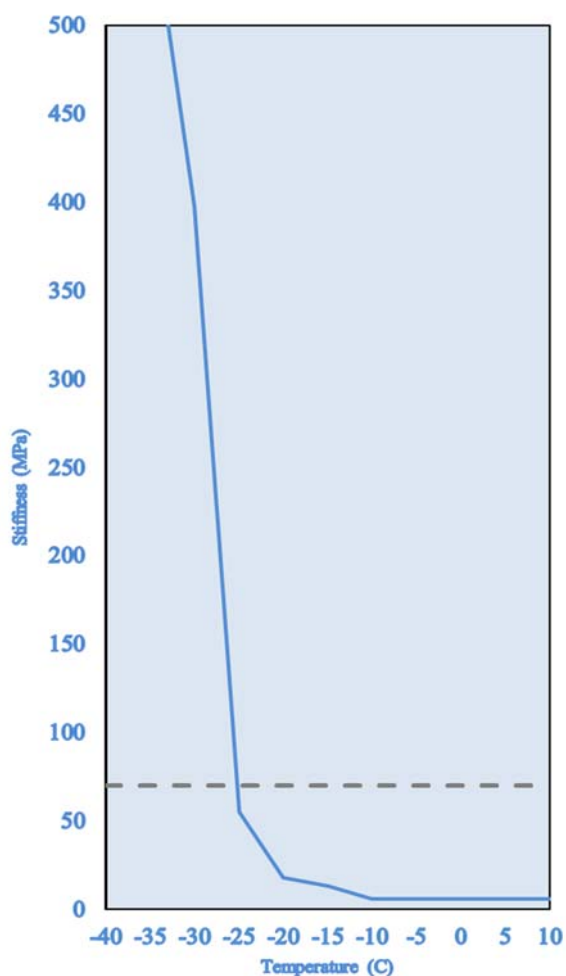
concentrated acids and aqueous chemicals at elevated temperatures.

Service Temperatures -25°C (-13°F) to +200°C (+392°F).

Typical Physical Properties

Property	Typical Values	Test Standard
Colour	Black	
Hardness (°IRHD)	80	ISO 48
Tensile Strength (MPa)	17.9	ISO 37
Modulus @ 100% (MPa)	9.7	ISO 37
Elongation @ Break (%)	167	ISO 37
Specific Gravity (g/cm ³)	1.87	ISO 2781
Compression set 24hrs @ 175°C (%)	11.4	ISO 815

Low Temperature Stiffness (Gehman Test) ISO 1432



ULTRA LOW TEMPERATURE DYNAMIC SEALING

MATERIAL TEST DATA

TRP COMPOUND REFERENCE N°: F194 (page 2 of 2)

Polymer Type: Low Temperature Fluorocarbon Rubber

ULTRA LOW TEMPERATURE DYNAMIC SEALING

AIR-AGEING	Property (after 168 hours @ 175°C)	Typical Values	Test Standard
	Hardness Change (°IRHD)	+2	ISO 188
	Tensile Change (%)	+19.6	ISO 188
	Elongation Change (%)	+1.8	ISO 188
	Property (after 336 hours @ 175°C)	Typical Values	Test Standard
	Hardness Change (°IRHD)	+3	ISO 188
	Elongation Change (%)	-8.4	ISO 188

ABSORPTION TEST	Property (after 168 hours @ 100°C)	Typical Values	Test Standard
	IRM 901 OIL		
	Volume Change (%)	-0.5	ISO 1817
	Hardness Change (°IRHD)	-1	
	IRM 903 OIL		
	Volume Change (%)	+0.7	ISO 1817
	Hardness Change (°IRHD)	0	
	DISTILLED WATER		
	Volume Change (%)	+4.7	ISO 1817
	Hardness Change (°IRHD)	-6	

The properties given on this data sheet is derived from tests carried out by TRP Polymer Solutions Ltd. They should not be regarded as specifications, but only as typical properties of the material described. It is intended for use by persons having technical skills and understanding of the seal and gasket design. Since the conditions of use are outside our control, nor have we designed the product shape, we can make no warranties, express or implied and assume no liability in connection with any use of this information.

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