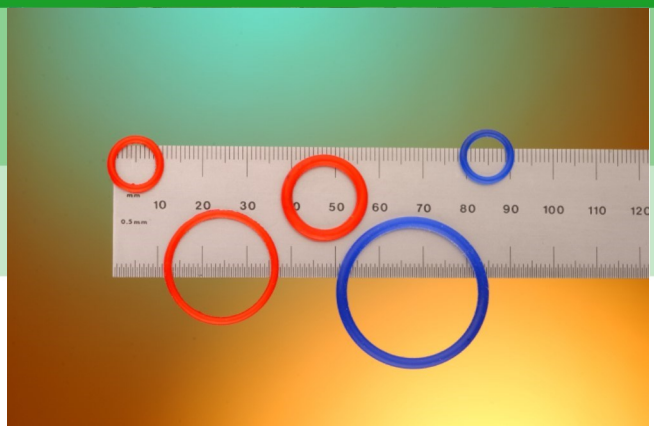
MATERIAL TEST DATA

TRP COMPOUND REFERENCE
N°: F366 (page 1 of 2)

Polymer Type: FKM



Description

A black bisphenol free Fluorocarbon compound. This material is suitable for a wide range of industrial applications, particularly that of food production. Do to the unique formulation, this FKM provides a high level of resistance to Steam in place (SIP) procedures along with excellent resistance to Cleaning in place (CIP) procedures.

Service Temperature: -15°C (5°F) to +200°C (+392°F). This material complies with and is tested to the following standards:

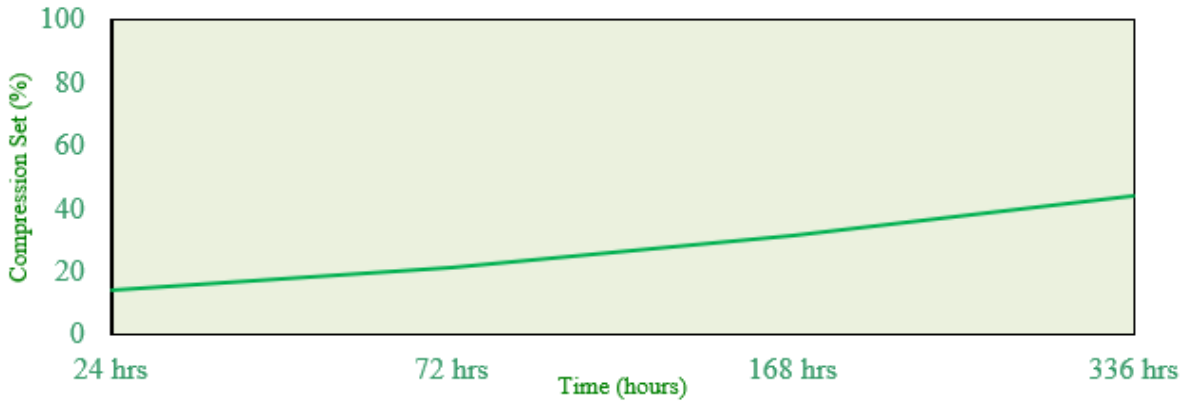
- 21 CFR177.2600 (e & f) (FDA) for repeated use in aqueous and fatty foods.

TYPICAL PHYSICAL PROPERTIES

Property	Typical Values	Test Standard
Colour	Black	
Hardness (°IRHD)	67	ISO 48
Hardness (°ShA)	67	ISO 48
Tensile Strength (MPa)	22.2	ISO 37
Modulus @ 100% (MPa)	3.31	ISO 37
Elongation @ Break (%)	315	ISO 37
Tear Strength (N/mm)	24.2	ISO 34
Specific Gravity (g/cm^3)	2.03	ISO 2781

COMPRESSION SET

Typical Compression Set Values in Air @ 200°C Under 25% Strain ISO 815



HIGH PERFORMANCE ELASTOMERS

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°: F366 (page 2 of 2)

Polymer Type: FKM

	Property	Typical Values	Test Standard
ABSORPTION TEST	Water (After 72Hours @ 200°C)		
	Weight Change (%)	5.84	ISO1817
	Compression Set, O-Ring (%)	40.0	ISO 815
	2% Nitric Acid (After 72Hours @ 90°C)		
	Volume Change (%)	4.52	ISO1817
	Mass Change (%)	2.22	ISO1817
	Hardness Change (°IRHD)	-4.7	ISO1817
	4% NaOH (After 72Hours @ 90°C)		
	Volume Change (%)	1.31	ISO1817
	Mass Change (%)	0.46	ISO1817
	Hardness Change (°IRHD)	-4.5	ISO1817

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