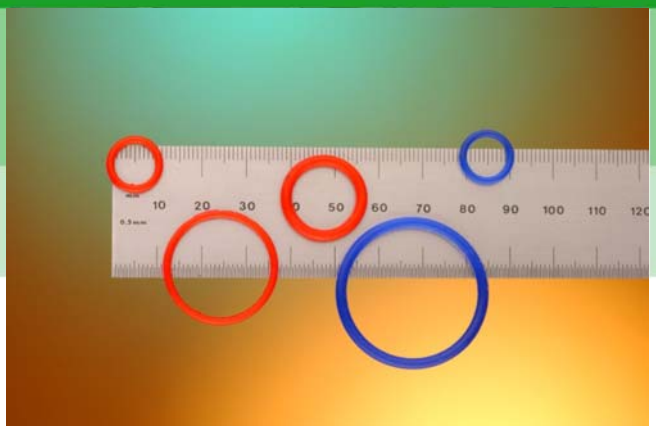
MATERIAL TEST DATA

TRP COMPOUND REFERENCE
N°: E249 (page 1 of 2)



Polymer Type: EPDM

Description

A white EPDM compound suitable for a wide range of chemicals and foods processes applications. This material is formulated and tested to meet the requirements of FDA 21 CFR 177-2600e for use with aqueous foods. It is suitable for use with hot water application, but not suitable for use with hydrocarbon oils and solvents.

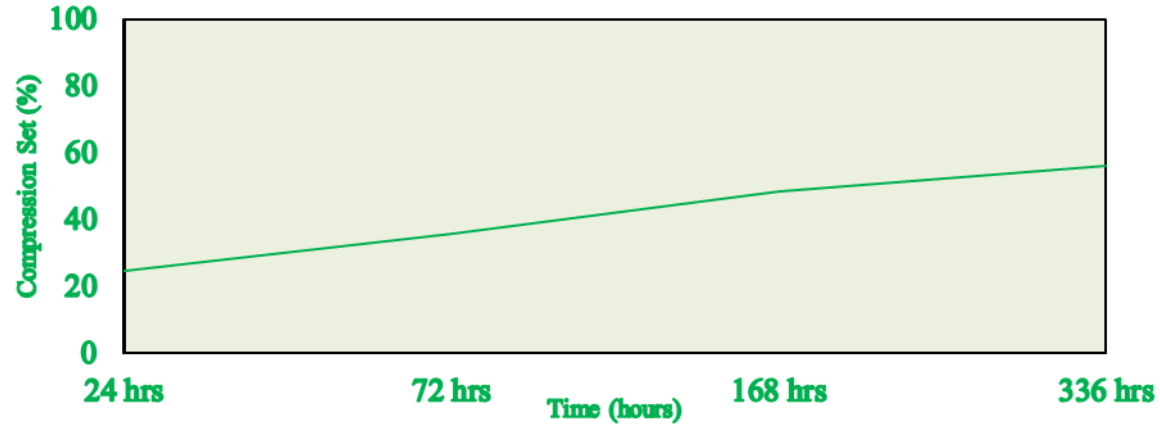
Service temperatures -50°C (-58°F) to +125°C (+257°F).

TYPICAL PHYSICAL PROPERTIES

Property	Typical Values	Test Standard
Colour	White	
Hardness (°IRHD)	74	ISO 48
Tensile Strength (MPa)	9.1	ISO 37
Modulus @ 100% (MPa)	0.3	ISO 37
Elongation @ Break (%)	682	ISO 37
Tear Strength (N/mm)	27.6	ISO 34
Specific Gravity (g/cm^3)	1.45	ISO 2781

COMPRESSION SET

Typical Compression Set Values in Air @ 100°C Under 25% Strain ISO 815



HIGH PERFORMANCE ELASTOMERS

TRP POLYMER SOLUTIONS
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MATERIAL TEST DATA

TRP COMPOUND REFERENCE N°: E249 (page 2 of 2)

Polymer Type: EPDM

	Property (after 168 hours @ 100°C)	Typical Values	Test Standard
AIR-AGEING	Hardness Change (°IRHD)	+1	ISO 188
	Tensile Change (%)	-6.9	ISO 188
	Elongation Change (%)	-46.6	ISO 188
	Property (after 336 hours @ 100°C)	**Typical Values**	**Test Standard**
	Hardness Change (°IRHD)	+2	ISO 188
	Tensile Change (%)	-9.9	ISO 188
	Elongation Change (%)	-61.2	ISO 188

	Property (after 168 hours @ 100°C)	Typical Values	Test Standard
ABSORPTION TEST	DISTILLED WATER		
	Volume Change (%)	3.17	ISO 1817
	Hardness Change (°IRHD)	+3	

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