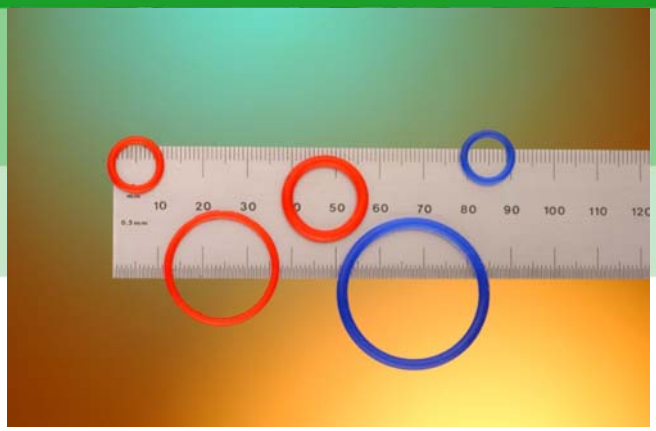
MATERIAL TEST DATA

TRP COMPOUND REFERENCE
N°: E105 (page 1 of 2)



Polymer Type: EPDM

Description

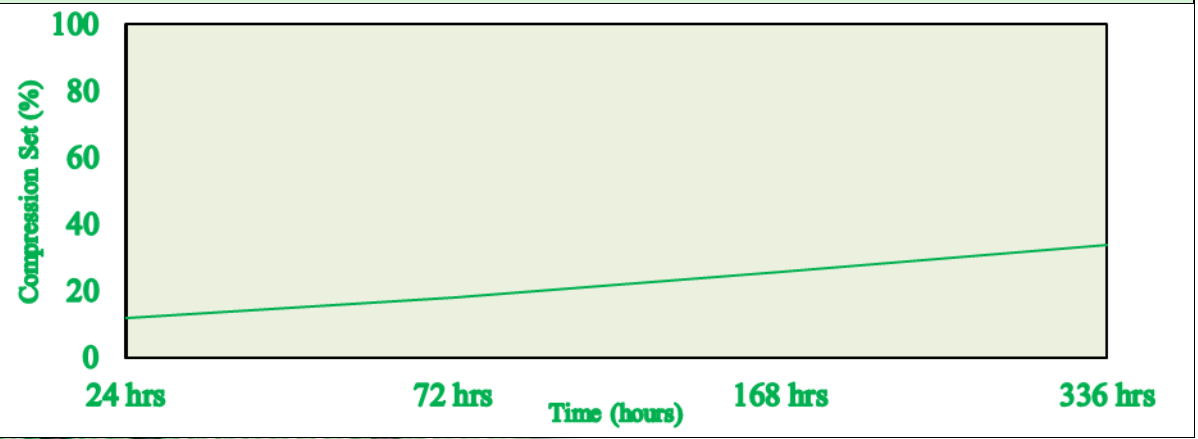
This high quality EPDM compound is formulated for use in sealing applications in the Nuclear industry. Offering excellent resistance to compression set, other applications include high temperature steam and water sealing, it is also suitable for use with a wide range of chemicals , but is not suitable for use with hydrocarbon oils and solvents.

Service Temperatures -40°C (-40°F) to +150°C (+302°F).

TYPICAL PHYSICAL PROPERTIES	Property	Typical Values	Test Standard
	Colour	Black	
	Hardness (°IRHD)	78	ISO 48
	Tensile Strength (MPa)	12.5	ISO 37
	Modulus @ 100% (MPa)	9.5	ISO 37
	Elongation @ Break (%)	137.7	ISO 37
	Tear Strength (N/mm)	16.9	ISO 34
	Specific Gravity (g/cm^3)	1.16	ISO 2781

COMPRESSION SET

Typical Compression Set Values in Air @ 150°C Under 25% Strain ISO 815



HIGH PERFORMANCE ELASTOMERS

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MATERIAL TEST DATA

TRP COMPOUND REFERENCE N°: E105 (page 2 of 2)

Polymer Type: EPDM

	Property (after 168 hours @ 150°C)	Typical Values	Test Standard
AIR-AGEING	Hardness Change (°IRHD)	+1	ISO 188
	Tensile Change (%)	-4.8	ISO 188
	Elongation Change (%)	-29.7	ISO 188
	Property (after 336 hours @ 150°C)	**Typical Values**	**Test Standard**
	Hardness Change (°IRHD)	+2	ISO 188
	Tensile Change (%)	-9.6	ISO 188
	Elongation Change (%)	-48.2	ISO 188

	Property (after 168 hours @ 100°C)	Typical Values	Test Standard
ABSORPTION TEST	DISTILLED WATER		
	Volume Change (%)	1.3	ISO 1817
	Hardness Change (°IRHD)	-1	

HIGH PERFORMANCE ELASTOMERS

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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