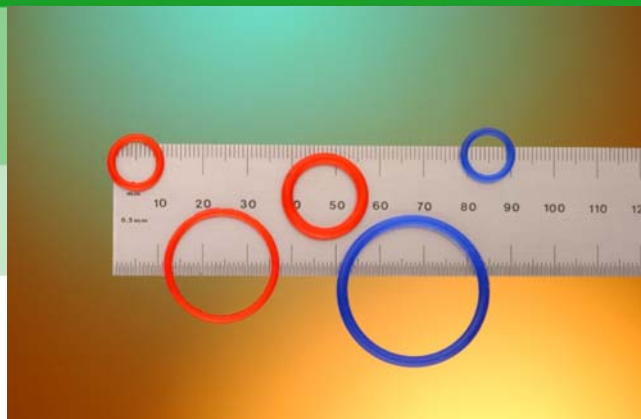


MATERIAL TEST DATA

TRP COMPOUND REFERENCE
N°: E216 (page 1 of 2)

Polymer Type: EPDM

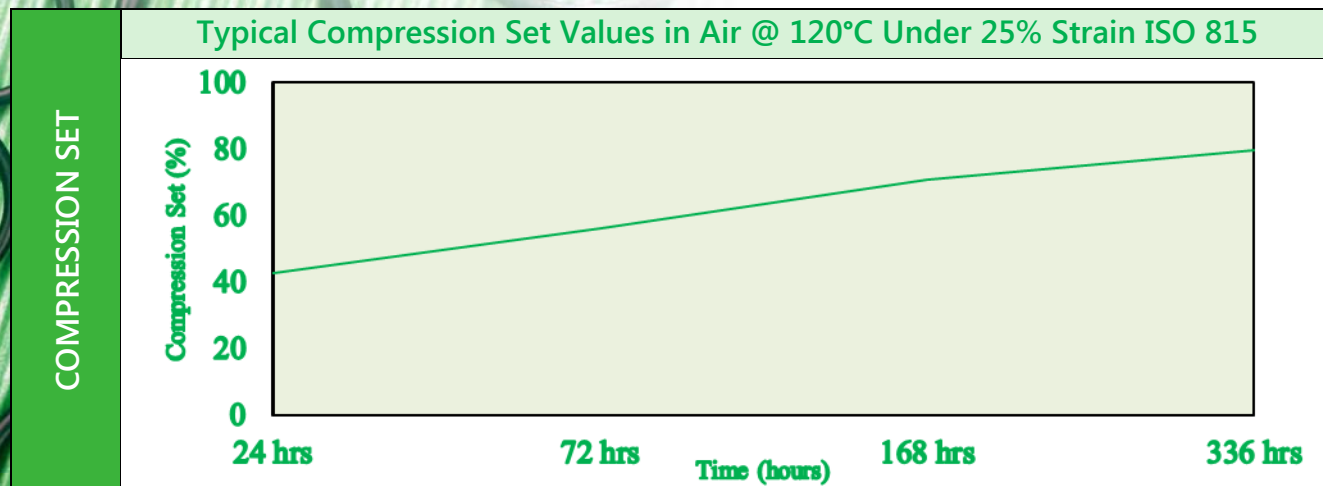


Description

EPDM compound developed for diaphragms application, where flex life is of primary importance. This compound exhibits good tear strength and elongation at break. This material should not be used where there is any risk of

contamination with mineral oils or petroleum based fluids.

TYPICAL PHYSICAL PROPERTIES	Property	Typical Values	Test Standard
	Colour	Black	
	Hardness (°IRHD)	70	ISO 48
	Tensile Strength (MPa)	8.71	ISO 37
	Modulus @ 100% (MPa)	3.22	ISO 37
	Elongation @ Break (%)	310	ISO 37
	Tear Strength (N/mm)	18.84	ISO 34
	Specific Gravity (g/cm ³)	1.34	ISO 2781



H I G H P E R F O R M A N C E E L A S T O M E R S

MATERIAL TEST DATA

TRP COMPOUND REFERENCE N°: E216 (page 2 of 2)

Polymer Type: EPDM

AIR-AGEING	Property (after 168 hours @ 150°C)	Typical Values	Test Standard
	Hardness Change (°IRHD)	+11	ISO 188
	Tensile Change (%)	+2.9	ISO 188
	Elongation Change (%)	-43.3	ISO 188
	Property (after 336 hours @ 150°C)	Typical Values	Test Standard
	Hardness Change (°IRHD)	+13	ISO 188
	Tensile Change (%)	-4.5	ISO 188
	Elongation Change (%)	-50.2	ISO 188

ABSORPTION TEST	Property (after 168 hours @ 100°C)	Typical Values	Test Standard
	DISTILLED WATER		
	Volume Change (%)	+5.4	ISO 1817
	Hardness Change (°IRHD)	0	

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.

Data Sheet	Page	Issue Date	Issue No.	Issue By
MD219	2 OF 2	16.05.14	1	CEV

HIGH PERFORMANCE ELASTOMERS