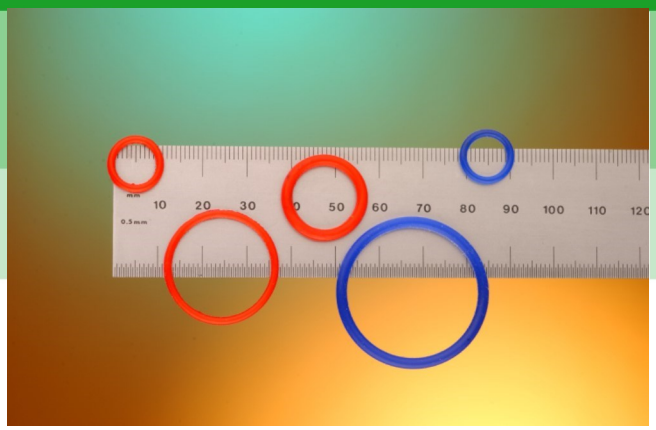
MATERIAL TEST DATA

TRP COMPOUND REFERENCE
N°: F336 (page 1 of 2)

Polymer Type: TetraFluoroEthylene/ Propylene (AFLAS®)



Description

A black Aflas® suitable for a wide range of industrial applications This material is tested to the requirements of FDA 21 CFR 177-2600 (e)(f) for use with aqueous and fatty foods. This material has exceptional resistance to acids, bases, steam/hot water and amines.

AFLAS® is a trademark of Asahi Glass Co., Ltd

This material is not to be used with infant formula and human milk.

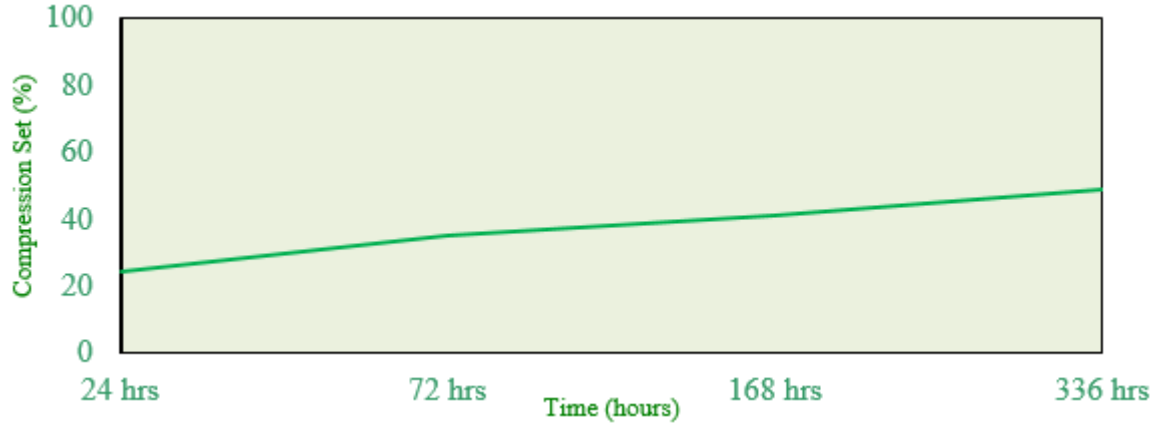
Service Temperature -5°C (5°F) to +200°C (+392°F).

TYPICAL PHYSICAL PROPERTIES

Property	Typical Values	Test Standard
Colour	Black	
Hardness (°IRHD)	75	ISO 48
Tensile Strength (MPa)	18.6	ISO 37
Modulus @ 100% (MPa)	11.4	ISO 37
Elongation @ Break (%)	184	ISO 37
Tear Strength (N/mm)	26.5	ISO 34
Specific Gravity (g/cm^3)	1.73	ISO 2781

COMPRESSION SET

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



HIGH PERFORMANCE ELASTOMERS

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MATERIAL TEST DATA

TRP COMPOUND REFERENCE N°: F336 (page 2 of 2)

Polymer Type: FEPM

AIR-AGEING	Property (after 168 hours @ 200°C)	Typical Values	Test Standard
	Hardness Change (°IRHD)	-3	ISO 188
	Tensile Change (%)	11	ISO 188
	Elongation Change (%)	-8	ISO 188
	Property (after 336 hours @ 200°C)	**Typical Values**	**Test Standard**
	Hardness Change (°IRHD)	-3	ISO 188
	Tensile Change (%)	17	ISO 188
	Elongation Change (%)	-19	ISO 188

ABSORPTION TEST	Property (after 168 hours @ 100°C)	Typical Values	Test Standard
	IRM 901 OIL		
	Hardness Change (°IRHD)	-3	ISO 1817
	Volume Change (%)	0.3	ISO 1817
	IRM 903 OIL		
	Hardness Change (°IRHD)	-8	ISO 1817
	Volume Change (%)	7.8	ISO 1817
	DISTILLED WATER		
	Hardness Change (°IRHD)	-4	ISO 1817
	Volume Change (%)	4.7	ISO 1817

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