



COMPOUND: F161 (LH)

POLYMER TYPE: TETRAFLUORETHYLENE/PROPYLENE CO-POLYMER (AFLAS®) 80 (+/-5°)

Physical Properties

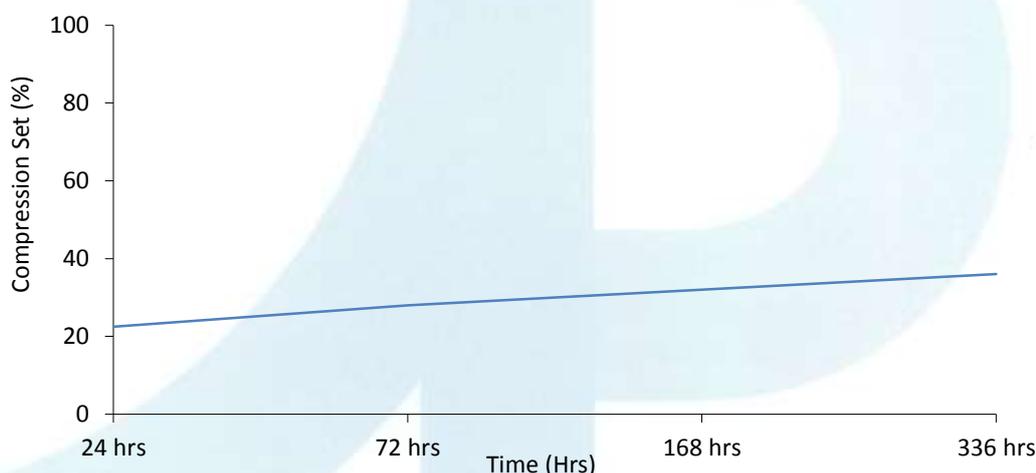
Property	Test Method	Units	Typical Values
COLOUR			Black
HARDNESS	ISO 48	°IRHD	82
TENSILE STRENGTH	ISO 37	MPa	17
MODULUS @ 100%	ISO 37	MPa	10
ELONGATION @ BREAK	ISO 37	%	180
TEAR STRENGTH	ISO 34	N/mm	34
SPECIFIC GRAVITY	ISO 2781	g/cm ³	1.58
MOULDING SHRINKAGE			HIGH

Description

This compound has excellent physical properties and offers good resistance to acids, bases, water, amines and high temperature steam. It is particularly useful in gas and oil stripping, where mixtures of Hydrocarbons, Amines and H₂S are encountered. Service Temperature -5°C (23°F) to 200°C (390°F).
Aflas® is a registered trademark of Ashi Glass Corporation

Compression Set

Typical Compression Set Values in Air @ 140°C Under 25% Strain (ISO 815)



These properties 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. Since development and improvement of compounds is a continuing process, Gapi reserves the right to modify their composition and characteristics.
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AIR-AGEING

Property (After 168 Hours @ 175°C)	Test Standard	Units	Typical Values
HARDNESS CHANGE	ISO 188	°IRHD	+2
TENSILE CHANGE	ISO 188	%	+2.8
ELONGATION CHANGE	ISO 188	%	-24.5

Property (After 336 Hours @ 175°C)	Test Standard	Units	Typical Values
HARDNESS CHANGE	ISO 188	°IRHD	+3
TENSILE CHANGE	ISO 188	%	-2.1
ELONGATION CHANGE	ISO 188	%	-31.5

ABSORPTION TEST

Property (After 168 Hours @ 100°C)	Test Standard	Units	Typical Values
ASTM No 1 Oil VOLUME CHANGE	ISO 1817	%	-0.09
ASTM No 3 Oil VOLUME CHANGE	ISO 1817	%	+8.68
DISTILLED WATER VOLUME CHANGE	ISO 1817	%	NOT REQUIRED