COMPOUND: S311 (N6)
POLYMER TYPE: HIGH TEMPERATURE FLUOROSILICONE 75 (+/-5°)

Physical Properties

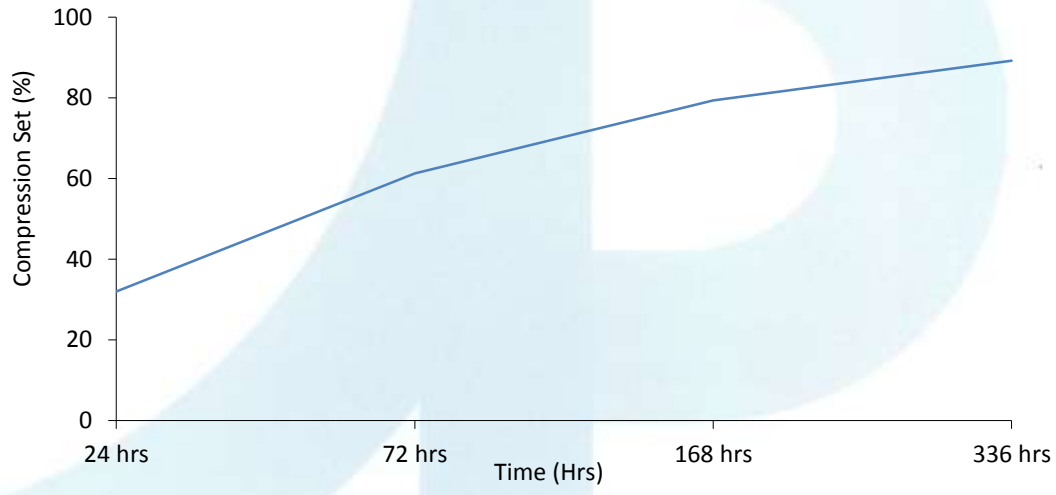
Property	Test Method	Units	Typical Values
COLOUR			Black
HARDNESS	ISO 48	°IRHD	72
TENSILE STRENGTH	ISO 37	MPa	5.64
MODULUS @ 100%	ISO 37	MPa	3.31
ELONGATION @ BREAK	ISO 37	%	212
TEAR STRENGTH	ISO 34	N/mm	11.47
SPECIFIC GRAVITY	ISO 2781	g/cm3	1.56

Description

This Fluorosilicone compound has significantly greater chemical resistance than silicone. It has a good resistant to hydrocarbon fluids and solvents. However, due to its high friction and limited abrasion resistance, Fluorosilicones are generally recommended for static applications. Service Temperature -50°C (-58°F) to +200°C (392°F).

Compression Set

Typical Compression Set Values in Air @ 175°C Under 25% Strain (ISO 815)



COMPOUND: S311 (N6)
POLYMER TYPE: HIGH TEMPERATURE FLUOROSILICONE 75 (+/-5°)

AIR-AGEING

Property (After 168 Hours @ 175°C)	Test Standard	Units	Typical Values
HARDNESS CHANGE	ISO 188	°IRHD	+8
TENSILE CHANGE	ISO 188	%	+43.79
ELONGATION CHANGE	ISO 188	%	-60.19

Property (After 336 Hours @ 175°C)	Test Standard	Units	Typical Values
HARDNESS CHANGE	ISO 188	°IRHD	+11
TENSILE CHANGE	ISO 188	%	-1.48
ELONGATION CHANGE	ISO 188	%	-62.94

ABSORPTION TEST

Property (After 168 Hours @ 100°C)	Test Standard	Units	Typical Values
IRM 901 Oil	ISO 1817		
VOLUME CHANGE		%	-0.63
HARDNESS CHANGE		°IRHD	+5
IRM 903 Oil	ISO 1817		
VOLUME CHANGE		%	+0.22
HARDNESS CHANGE		°IRHD	+2
DISTILLED WATER	ISO 1817		
VOLUME CHANGE		%	+5.28
HARDNESS CHANGE		°IRHD	+1