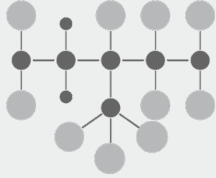


F1

Material Datasheet

V-75-27



V-75-27 FKM is a black A-type fluorocarbon that features the inherent oil and grease compatibility of NBR, but with increased suitability for higher speed, higher temperature applications.

Colour Black ●	Dynamics Excellent 🌀	Oil Compatibility V.Good 💧
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Operating Temperature
-20 to +200°C*

Storage Stability
10 Years (ISO 2230)

*Excursions to
(Gear Oil +150°C Max.)

ASTM D2000 M2HK 710 A1-10 B37 B38 EF31 E078 Z1: HARDNESS 75±5 SHORE A

Property	Test Standard	Units	Specification [Value]
Hardness	ASTM D2240	Shore A	75±5 [75.1]
Tensile strength	ASTM D412	MPa	10 Min. [12.45]
Elongation at break	ASTM D412	%	175 Min. [242]
A1-10 HEAT AGEING 70H AT 250°C			
Hardness change	ASTM D573	Shore A	+10 Max. [+4.4]
Tensile strength change		%	-25 Max. [+6]
Elongation change		%	-25 Max. [0]
B37 COMPRESSION SET 22H AT 175°C			
Compression set	ASTM D395 Method B	%	50 Max. [15]
B38 COMPRESSION SET 22H AT 200°C			
Compression set	ASTM D395 Method B	%	50 Max. [21]
EF31 RESISTANCE TO FUEL C 70H AT 23°C			
Hardness change	ASTM D471	Shore A	±5 [-3.8]
Tensile strength change		%	-25 Max. [-12]
Elongation change		%	-20 Max. [+4]
Volume change		%	0 to +10 [+4.1]
E078 SERVICE LIQUID NO.101 70H AT 200°C			
Hardness change	ASTM D471	Shore A	-15 to +5 [-10]
Tensile strength change		%	-40 Max. [-6]
Elongation change		%	-20 Max. [+11]
Volume change		%	0 to +10 [+13.8]
E016 IRM 901 OIL RESISTANCE 70H AT 150°C			
Hardness change	ASTM D471	Shore A	[+2]
Tensile strength change		%	[-4.8]
Elongation change		%	[0.5]
Volume change		%	[+0.1]
E036 IRM 903 OIL RESISTANCE 70H AT 150°C			
Hardness change	ASTM D471	Shore A	[-4.8]
Tensile strength change		%	[-21.1]
Elongation change		%	[-14.5]
Volume change		%	+10 Max. [+3.7]
A1-11 HEAT AGEING 70H AT 275°C			
Hardness change	ASTM D573	Shore A	[+8.5]
Tensile strength change		%	[-23]
Elongation change		%	[+5]