



FKM 75

Fluorocarbon

Standard Colour: **Black**
 Service temperature: -20°C to +205°C

ASTM D2000 M2HK710 A1-10 B37 EF31 F15Z

Physical properties	Unit	Test method	Requirement	Test result
Hardness shore	A	D2240	75± 5	75
Tensile strength	MPa	D412	10	11.8
Elongation	%	D412	175	209
Specific Gravity		D297		1.85
Cure system		N/A		Bisphenol
Heat ageing, 70hrs at 250°C				
Hardness change points	points	D573	+10	+4
Tensile strength change	%	D573	-25	-5
Elongation change	%	D573	-25	-15
Compression set, method B				
22hrs at 175°C %	%	D395	50	9
Fuel resistance, Fuel C, 70hrs at 23°C				
Hardness change	points	D471	±5	-4
Tensile strength change	%	D471	-25	-20
Elongation change	%	D471	-20	-16
Volume change	%	D471	0/+10	+5
Low temperature resistance				
Non-brittle after 3 min @ -25°C		D2137	Pass	Pass

The results displayed in this data sheet were obtained on standard test specimens following standard test procedures. Comparisons with results obtained on finished products, e.g. O-Rings, could lead to other results due to differences in geometry and manufacturing processes. These other results do therefore not automatically contravene the data of this sheet. The evaluation of parts prior to their use in order to ensure their suitability for the intended application is subject to the end user's responsibility.