

Data Sheet: FKM75 (Vulcanised Jointed Rings)

MATERIAL: FLUOROCARBON 75 SHORE FOR VULCANISED JOINTED RINGS

Excellent resistance to Oil, Gasoline, Chemicals, Weathering.

Low gas permeability. Poor resistance to amines, hot water and steam. Poor low temperature flexibility.

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -15°C to +204°C continuous (+280°C peak)

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
SPECIFIC GRAVITY	DIN 53479 TOLERANCE ± 0.05	1.82
DUROMETER SHORE A	DIN 53479 TOLERANCE $\pm 5^\circ$	77
ELONGATION %	DIN 53504 TOLERANCE $\pm 25\%$	200
TENSILE STRENGTH PSI (MPa)	DIN 53504 TOLERANCE $\pm 35\%$	10
COMPRESSION SET		
22 hrs @ 200°C %	DIN 53517	21%
AIR AGEING, 72 hrs @ 150°C		
DUROMETER CHANGE POINTS SHORE A	DIN ISO 1871	+1
WEIGHT LOSS GRAMS		0
VOLUME CHANGE %		0
FLUID IMMERSION, OIL NO 3, 72 hrs @ 150°C		
VOLUME CHANGE %	DIN ISO 1871	+2
DUROMETER CHANGE POINTS SHORE A		
TOLUOL IMMERSION, 72 hrs @ 150°C		
WEIGHT LOSS GRAMS	DIN ISO 1871	+4
VOLUME CHANGE %		+9
SAMPLE PREP - MOULDED SHEET		
160°C	20 MINUTES	POST CURE IN HOT AIR FOR 10 hrs @ 200°C

The above test results are based on test slabs / buttons. The results from the actual parts may be different.

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