

Data Sheet: FKM75 FDA (Vulcanised Jointed Rings)

MATERIAL: FLUOROCARBON 75 SHORE FDA FOR VULCANISED JOINTED RINGS (FDA 21 CFR 177.2600)

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	2.45
DUROMETER SHORE A	DIN 53479 TOLERANCE $\pm 5^\circ$	77
ELONGATION %	DIN 53504 TOLERANCE $\pm 35\%$	280
TENSILE STRENGTH PSI (MPa)	DIN 53504 TOLERANCE $\pm 25\%$	11
COMPRESSION SET		
22hrs @ 200°C %	DIN 53517	18%
OIL RESISTANCE	EXCELLENT	
GASOLINE RESISTANCE	EXCELLENT	
CHEMICAL RESISTANCE	EXCELLENT	
WEATHERING RESISTANCE	EXCELLENT	

SAMPLE PREP - MOULDED SHEET

160°C 15 MINUTES POST CURE IN HOT AIR FOR 12 hrs @ 220°C

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

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