

# Data Sheet: EP70 FDA (Vulcanised Jointed rings)

## MATERIAL: EPDM 70 SHORE FDA FOR VULCANISED JOINTED RINGS (FDA 21 CFR 177.2600)

Excellent resistance to Oil, Gasoline, Chemicals, Weathering

Low gas permeability. Good water resistance.

**COLOUR:** BLACK

**GENERAL SERVICE TEMPERATURE RANGE:** -25°C to +125°C continuous (+150°C peak)

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
SPECIFIC GRAVITY	ASTM D257 TOLERANCE $\pm 0.05$	1.28
DUROMETER SHORE A	ISO 7619-1 TOLERANCE $\pm 5^\circ$	70
ELONGATION %	DIN 53504 TOLERANCE $\pm 35\%$	125
TENSILE STRENGTH PSI (MPa)	DIN 53504 TOLERANCE $\pm 25\%$	14
<b>COMPRESSION SET</b>		
22hrs @ 120°C, %	ISO 815-1 TOLERANCE $\pm 25\%$	20%
MINERAL OIL RESISTANCE	NOT RECOMMENDED	
ANIMAL OIL RESISTANCE	NOT RECOMMENDED	
VEGETABLE OIL RESISTANCE	NOT RECOMMENDED	
WEATHERING RESISTANCE	VERY GOOD	

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

**Issue Date: 11.08.2013**