

# Data Sheet: EP70 (Vulcanised Jointed rings)

## MATERIAL: ETHYLENE PROPYLENE DIENE MONOMER (EPDM) 70 SHORE FOR VULCANISED JOINTED RINGS

Excellent resistance to Oil, Gasoline, Chemicals, Weathering

Low gas permeability. Good water resistance.

**COLOUR:** BLACK

**GENERAL SERVICE TEMPERATURE RANGE:** -35°C to +120°C continuous (+160°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 $\pm 35\%$	500
TENSILE STRENGTH PSI (MPa)	DIN 53504 TOLERANCE $\pm 25\%$	14
<b>COMPRESSION SET</b>		
22 hrs @ 70°C, %	ISO 815-1 TOLERANCE $\pm 25\%$	21%
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: 11.08.2014**