

Data Sheet: N70 (Vulcanised Jointed Rings)

MATERIAL: NITRILE 70 SHORE FOR VULCANISED JOINTED RINGS

Excellent resistance to Mineral oil, Animal oil, Vegetable oil.

Low gas permeability. Good resistance to aliphatic hydrocarbons and water.

Satisfactory resistance to low temperature flexibility and low pressure steam. Poor weather resistance.

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -30°C to +110°C continuous (+130°C peak)

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
SPECIFIC GRAVITY	ASTM D257 TOLERANCE ± 0.05	1.25
DUROMETER SHORE A	ASTM D2240 TOLERANCE $\pm 5^\circ$	70
ELONGATION %	ASTM D412 TOLERANCE $\pm 25\%$	300
TENSILE STRENGTH MPa	ASTM D412	12
COMPRESSION SET		
22 hrs @ 200°C, %	ASTM D395	15%
FLUID IMMERSION, OIL NO 1, 70 hrs @ 100°C ASTM D471		
VOLUME CHANGE %		+15
WEIGHT CHANGE %		+12
HARDNESS CHANGE, PTS		+12
FLUID IMMERSION, OIL NO 3, 70 hrs @ 100°C ASTM D471		
VOLUME CHANGE %		+5
WEIGHT CHANGE %		+3
HARDNESS CHANGE, PTS		+3

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

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