

Nimax Seals

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Compound : Viton 90 (FKM / FPM / Fluorocarbon)

Color : Black

Complies with: ASTM D2000 M2 HK 910 A1-10 B38 C20 EF31 EO78

Physical Properties

The vulcanization is effected

At the temperature of 177°C. for a period of 7 minutes with slabs 2 mm thickness

At the temperature of 177°C. for a period of 15 minutes with specimen 29mm diameter 12.5mm height

Post cure 24h at 230°C

Property	Test Method	U.m.	Measured Value
Hardness	ASTM D 2240	Shore A	94
Density	ASTM D 792	gr / cm ³	1.87
M100	ASTM D 412 C	Mpa	10.5
Tensile Strength	ASTM D 412 C	Mpa	12.0
Elongation at break	ASTM D 412 C	%	120
Tear Strength	ASTM D 624 B	N/mm	37
Compression set – 22 hrs @ 200°C	ASTM D 395-B	%	21
Resistance to Ozone	ASTM D 1149	(*)	OK

(*) After 72 hrs at 40°C. with ozone concentration of 50 PPHM and elongation of 20%

Change in Properties after ageing

ASTM D 573 (Air) / ASTM D 471 (Fluid)

Medium	Time hrs	Temper °C	Hardness Pts	Tensile str %	Elongation %	Volume %	Weight %
Air	70	250	+2.5	-2.5	-9	-	-
ASTM Fuel C	70	23	-1	-7	-3	+2.6	+1
Service Fluid 101	70	200	-6	-8	+8.5	+8	+5