

Sealmax Style - 9010 - Nitrile Rubber



Applications:

NBR (Oil-resistant rubber) exhibits excellent strength, high tensile strength, Oil resistance, and sustains flexibility at lower temperatures. Typical applications -filling, dispensing, Pumps, Pipe & Flange gaskets, valves, quick connectors, Tanks, Separators, homogenizers, decanters and heat exchangers. Its properties provide superior resistance to petroleum-based fluids, hydraulic fluids, gasoline, alkalis and acids. Nitrile is the polymer of choice for applications requiring oil and solvent resistance.

TECHNICAL SPECIFICATIONS

SR.NO.	PROPERTIES	TEST METHOD	VALUE FPS UNITS	TEST METHOD REFERENCE	VALUES METRIC UNITS
1.	SPECIFIC GRAVITY	DIN 53508	1.40 ± 0.05.	ASTM D297	1.40 ± 0.05
2.	HARDNESS	DIN 53505	60 ± 5 Sh A	ASTM D2240	60 ± 5 Sh A
3.	TENSILE STRENGTH (min)	DIN 53504	711 PSI	ASTM D412	50 kg/cm ²
4.	ELONGATION AT BREAK (min)	DIN 53504	250%	ASTM D412	250%
5.	TEAR RESISTANCE (Angular) min	DIN 53515	140 Lbs / Inch	ASTM D624	25 Kg/cm
6.	COMPRESSION SET(70°C/24 hrs / 25%compression) (max)	DIN 53517	30%	ASTM D395METHOD B	35%
7.	CHANGE IN PROPERTIES AFTER HEAT AGEING FOR (72 hrs. AT 70 °C)	-	-	ASTM D 573	-
8.	--- HARDNESS (Pts)	-	+ 15 (Max)	-	+ 15 (Max)
9.	--- TENSILE STRENGTH (%)	-	± 30	-	± 30
10.	--- ELONGATION AT BREAK (%)	-	± 50	-	± 50
11.	VOLUME SWELL: AT 70°C FOR 72 HRS	ASTM D471		ASTM D 471	-
12.	IRM OIL NO.903	-	40% MAX	-	40% MAX
13.	NITRILE RUBBER CONTENT IN TOTAL POLYMER	-	100%	-	100%
14.	CHEMICAL RESISTANCE	-		-	-
15.	--- OZONE	-	FAIR	ASTM D 1149	FAIR
16.	--- DILUTE ACIDS AND BASES	-	GOOD	-	GOOD
17.	--- CONCENTRATED ACIDS AND BASES	-	GOOD	-	GOOD
18.	--- OILS	-	FAIR	-	FAIR
19.	--- SOLVENTS	-	FAIR	-	FAIR
20.	TEMPERATURE RANGE	-	-30° to +110° C	-	-30° to +110° C
21.	COLOUR	-	Off White	-	Off White

All technical data and recommendations are given based on our experience. However, we assume no liability whatsoever. All data and values must be verified by the user, as the effectiveness of a seal can only be accurately judged by evaluating all data parameters directly on site. The stated parameters of all packing styles are approximate and may be influenced if occurring together. We suggest you to contact us in case of any special applications.



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