

Sealmax Style - 9016 - Viton Rubber



Applications:

Viton rubber gaskets are known for their exceptional chemical resistance, particularly against aggressive substances such as fuels, oils, and a wide range of acids and solvents. They also perform well in extreme temperatures, withstanding both high heat and low cold environments. Viton is widely used in automotive, aerospace, and chemical industries due to its durability and resistance to compression set, making it ideal for seals, O-rings, and gaskets in demanding environments

TECHNICAL SPECIFICATIONS

SR.NO.	PROPERTIES	TEST METHOD	VALUE FPS UNITS	TEST METHOD REFERENCE	VALUES METRIC UNITS
1.	SPECIFIC GRAVITY		1.95 ± 0.05	ASTM D297	1.95 ± 0.05
2.	HARDNESS	ISO 48-4	70 ± 5 SH A	ASTM D2240	70 ± 5 Sh A
3.	TENSILE STRENGTH (min)	ISO 37	853 PSI	ASTM D412	60 kg/cm ²
4.	ELONGATION AT BREAK (min)	ISO 37	250%	ASTM D412	250 %
5.	COMPRESSION SET (70°C/24 hrs/25% compression) (max)	ISO 815-1	35 %	ASTM D395 METHOD B	35 %
6.	TEAR RESISTANCE (Angular) min	ISO 34-1	112 Lbs./Inch	ASTM D624	20 Kg/cm
7.	CHANGE IN PROPERTIES AFTER				
8.	HEAT AGEING FOR (72 hrs. AT 70 °C)			ASTM D573	
9.	--- HARDNESS (Pts)		+ 5 (Max)		+ 5 (Max)
10.	--- TENSILE STRENGTH (%)		+10 /-10		+10 /-10
11.	--- ELONGATION AT BREAK (%)		+15 /-15		+15 /-15
12.	VOLUME SWELL: AT 70°C FOR 72 HRS	ASTM D 471			
13.	IN IRM OIL NO.901		-6 %		-6 %
14.	IN IRM OIL NO.902		-1 %		-1 %
15.	IN IRM OIL NO.903		+5 %		+5 %
16.	CHEMICAL RESISTANCE				
17.	--- OZONE		EXCELLENT	ASTM D 1149	EXCELLENT
18.	--- DILUTE ACIDS AND BASES		EXCELLENT		EXCELLENT
19.	--- CONCENTRATED ACIDS AND BASES		EXCELLENT		EXCELLENT
20.	--- OILS		VERY GOOD		VERY GOOD
21.	--- SOLVENTS		VERY GOOD		VERY GOOD
22.	TEMPERATURE RANGE		-30° to + 275° C		-30 ° to + 275° C

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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