



## Technical Specifications

### VITON A SHEET FKM 70190V

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.95±0.05	ASTM D297	1.95±0.05
HARDNESS	DIN 53505	70± 5 Sh A	ASTM D2240	70± 5 Sh A
TENSILE STRENGTH (min)	DIN 53504	713 PSI	ASTM D412	50 Kg/cm <sup>2</sup>
ELONGATION AT BREAK (min)	DIN 53504	200%	ASTM D412	200%
COMPRESSION SET (70°C/24 HRS/25% COMPRESSION) (max)	DIN ISO 815-1	45%	ASTM D395 METHOD B	45%
TEAR RESISTANCE (angular) min	DIN 53515	100Lbs/Inch	ASTM D624	18Kg/cm
<b>CHANGE IN PROPERTIES AFTER HEAT AGEING FOR 72 hrs AT 150°C</b>			ASTM D573	
HARNESS (points)		+3(max)		+3(max)
TENSILE STRENGTH %		+5/-5		+5/-5
ELONGATION AT BREAK %		+5/-10		+5/-10
<b>VOLUME SWELL AT 150°C FOR 24 hrs</b>			ASTM D471	
IN ASTM OIL No.1		-6%		-6%
IN ASTM OIL No.2		-1%		-1%
IN ASTM OIL No.3		+ 5%		+ 5%
<b>CHEMICAL RESISTANCE</b>			ASTM D1149	
OZONE		EXCELLENT		EXCELLENT
DILUTE ACIDS AND BASES		EXCELLENT		EXCELLENT
CONCENTRATE ACIDS AND BASES		EXCELLENT		EXCELLENT
OILS		VERY GOOD		VERY GOOD
SOLVENTS		VERY GOOD		VERY GOOD
TEMPERATURE RANGE		- 30°C to 275°C		- 30°C to 275°C
EC Directive 2001/95/EC	YES			
REACH Regulation (EC) 1907/2006 SVHC	YES			
FDA 21 CFR177.2600	NO			
COLOUR		BLACK		BLACK



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