



ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Quality Rubber Solutions



TECHNICAL SPECIFICATIONS

QUALITY : VITON RUBBER SHEETING CODE : FKM 70180

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.80	DIN 53508	1.85
HARDNESS	ASTM D2240	70 ± 5 Sh A	DIN 53505	70 ± 5 Sh A
TENSILE STRENGTH (min)	ASTM D412	1144 PSI	DIN 53504	80 kg/cm ²
ELONGATION AT BREAK (min)	ASTM D412	200%	DIN 53504	200%
COMPRESSION SET (70 °C/24 hrs/25% set) (MAX)	ASTM D395 METHOD B	45%	DIN 53517	45%
TEAR RESISTANCE (Angular) min	ASTM D624	112 Lbs/Inch	DIN 53515	25 Kg/cm
CHANGE IN PROPERTIES				
HEAT AGEING (72 hrs. AT 150 °C)	ASTM D573			
--- HARDNESS (Pts)		+ 5 (Max)		+ 5 (Max)
--- TENSILE STRENGTH (%)		+ 10 / - 10		+ 10 / - 10
--- ELONGATION AT BREAK (%)		+ 15 / - 15		+ 15 / - 15
VOLUME SWELL : AT 150° C FOR 24 HRS/IN	ASTM D 471			
ASTM OIL NO.1		-0.06		-0.06
ASTM OIL NO.2		-0.01		-0.01
ASTM OIL NO.3		+ 5%		+ 5%
CHEMICAL RESISTANCE				
--- OZONE	ASTM D 1149	EXCELLENT		EXCELLENT
--- DILUTE ACIDS AND BASES		EXCELLENT		EXCELLENT
--- CONCENTRATED ACIDS AND BASES		EXCELLENT		EXCELLENT
--- OILS		VERY GOOD		VERY GOOD
--- SOLVENTS		VERY GOOD		VERY GOOD
TEMPERATURE RANGE		-30 ° to + 250° C		-30 ° to + 275° C
COLOUR		BLACK		BLACK

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