



ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Quality Rubber Solutions



TECHNICAL SPECIFICATIONS

QUALITY : DIAPHRAGM RUBBER SHEETING WITH 1 PLY NYLON INSERTION CODE : DS 70140

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.40	DIN 53508	1.40
HARDNESS	ASTM D2240	70 ± 5 Sh A	DIN 53505	70 ± 5 Sh A
TENSILE STRENGTH (min)	ASTM D412	1220 PSI	DIN 53504	85 kg/cm2
ELONGATION AT BREAK (min)	ASTM D412	300%	DIN 53504	300%
COMPRESSION SET (70 ° C/24 hrs/25% set) (max)	ASTM D395 METHOD B	0.4	DIN 53517	40%
TEAR RESISTANCE (Angular) min	ASTM D624	112 Lbs/Inch	DIN 53515	45 Kg/cm
CHANGE IN PROPERTIES				
HEAT AGEING (72 hrs. AT 70 °C)				
--- HARDNESS (Pts)		+ 5 (Max)		+ 5 (Max)
--- TENSILE STRENGTH (%)		+ 10 / - 20		+ 10 / - 20
--- ELONGATION AT BREAK (%)		+ 10 / - 25		+ 10 / - 25
VOLUME SWELL : AT 40° C FOR 22 HRS/IN				
FUEL B		+ 25%		+ 25%
POLYMER CONTENT (NITRILE)				
		1		1
CHEMICAL RESISTANCE				
--- OZONE	ASTM D 1149	FAIR		FAIR
--- DILUTE ACIDS AND BASES		GOOD		GOOD
--- CONCENTRATED ACIDS AND BASES		NOT RECOMMENDED		NOT RECOMMENDED
--- OILS		GOOD		GOOD
--- SOLVENTS		NOT RECOMMENDED		NOT RECOMMENDED
TEMPERATURE RANGE				
		-35 ° to + 110° C		-35 ° to + 110° C
COLOUR				
		BLACK		

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