



ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Quality Rubber Solutions



TECHNICAL SPECIFICATIONS

QUALITY : DIAPHRAGM RUBBER SHEETING WITH 1 PLY NYLON INSERTION CODE : DS 60120

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.25	DIN 53508	1.20
HARDNESS	ASTM D2240	65 ± 5 Sh A	DIN 53505	60 ± 5 Sh A
TENSILE STRENGTH (min)	ASTM D412	1425 PSI	DIN 53504	100 kg/cm ²
ELONGATION AT BREAK (min)	ASTM D412	300%	DIN 53504	300%
ABRASION RESISTANCE (max)	ASTM D5963	200 mm ³	DIN 53516	200 mm ³
COMPRESSION SET (70° C/24 hrs/25% set) (max)	ASTM D395 METHOD B	0.25	DIN 53517	35%
TEAR RESISTANCE (Angular) min	ASTM D624	280 Lbs/Inch	DIN 53515	50 Kg/cm
CHANGE IN PROPERTIES				
HEAT AGEING (72 hrs. AT 70°C)	ASTM D573			
--- HARDNESS (Pts)		+ 5 (Max)		+ 5 (Max)
--- TENSILE STRENGTH (%)		+10 / - 10		+10 / - 10
--- ELONGATION AT BREAK (%)		+10 / - 20		+10 / - 20
VOLUME SWELL : AT 40° C FOR 22 HRS/IN	ASTM D 471			
FUEL B		+ 25%		+ 25%
POLYMER CONTENT (NITRILE)		100%		100%
CHEMICAL RESISTANCE				
--- OZONE	ASTM D 1149	FAIR		FAIR
--- DILUTE ACIDS AND BASES		GOOD		GOOD
--- CONCENTRATED ACIDS AND BASES		NOT RECOMMENDED		NOT RECOMMENDED
--- OILS		EXCELLENT		EXCELLENT
--- SOLVENTS		GOOD		GOOD
TEMPERATURE RANGE		-35 °to + 110° C		-35 °to + 110° C
COLOUR		BLACK		

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