



ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Quality Rubber Solutions



TECHNICAL SPECIFICATIONS

QUALITY : 100% EPDM CODE : EP 65120

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.25	DIN 53508	1.25
HARDNESS	ASTM D2240	65 ± 5 Sh A	DIN 53505	65 ± 5 Sh A
TENSILE STRENGTH (min)	ASTM D412	1290 PSI	DIN 53504	80 kg/cm2
ELONGATION AT BREAK (min)	ASTM D412	350%	DIN 53504	250%
COMPRESSION SET (70°C/24 hrs/25% set) (max)	ASTM D395 METHOD B	40%	DIN 53517	30%
TEAR RESISTANCE (Angular) min	ASTM D624	101 Lbs/Inch	DIN 53515	25 Kg/cm
CHANGE IN PROPERTIES				
HEAT AGEING (72 hrs. AT 70°C)	ASTM D573			
--- HARDNESS (Pts)		+ 3 (Max)		+ 3 (Max)
--- TENSILE STRENGTH (%)		+ 10 / - 10		+ 10 / - 10
--- ELONGATION AT BREAK (%)		+ 10 / - 20		+ 10 / - 20
VOLUME SWELL : AT 70° C FOR 72 HRS/IN	ASTM D 471			
ASTM OIL NO.1		Not Recommended		Not Recommended
ASTM OIL NO.2		Not Recommended		Not Recommended
ASTM OIL NO.3		Not Recommended		Not Recommended
POLYMER CONTENT (EPDM)		100%		100%
CHEMICAL RESISTANCE				
--- OZONE	ASTM D 1149	EXCELLENT		EXCELLENT
--- DILUTE ACIDS AND BASES		EXCELLENT		EXCELLENT
--- CONCENTRATED ACIDS AND BASES		EXCELLENT		EXCELLENT
--- OILS		NOT RECOMMENDED		NOT RECOMMENDED
--- SOLVENTS		NOT RECOMMENDED		NOT RECOMMENDED
TEMPERATURE RANGE		-40° to + 140° C		-40° to + 140° C
COLOUR		BLACK		BLACK

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