



ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Quality Rubber Solutions

An ISO 9001:2008 Registered Company
An ISO 14001:2004 Registered Company

GOVT.RECOGNISED EXPORT HOUSE

TECHNICAL SPECIFICATIONS

QUALITY : 100% EPDM CODE: EP 65120

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUE
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.25	ASTM D297	1.25
HARDNESS	DIN 53505	65 ± 5 Sh A	ASTM D2240	65 ± 5 Sh A
TENSILE STRENGTH (min)	DIN 53504	1140 PSI	ASTM D412	80 kg/cm ²
ELONGATION AT BREAK (min) %	DIN 53504	350 %	ASTM D412	350
COMPRESSION SET (70°C/24 hrs/25% set) (max) %	DIN 53517	40	ASTM D395 METHOD B	40
TEAR RESISTANCE (Angular) min	DIN 53515	123.2 Lbs/Inch	ASTM D624	22 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	
IRM OIL NO.1		Not Recommended		Not Recommended
IRM OIL NO.2		Not Recommended		Not Recommended
IRM OIL NO.3		Not Recommended		Not Recommended
POLYMER CONTENT (EPDM)		100		100
CHEMICAL RESISTANCE				
--- OZONE /ROOM TEMPERATURE/96 HRS	DIN ISO 1431-1	500 ppb ± 50 ppb (50 ppm ± 5 ppm)		NO CRACKS
--- DILUTE ACIDS AND BASES		EXCELLENT		EXCELLENT
--- CONCENTRATED ACIDS AND BASES		EXCELLENT		EXCELLENT
TEMPERATURE RANGE		-40° to + 130° C		-40° to + 130° C
COLOUR		BLACK		BLACK



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