



ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Quality Rubber Solutions

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



GOVT.RECOGNISED EXPORT HOUSE

TECHNICAL SPECIFICATIONS

QUALITY :(50%) COMMERCIAL EPDM CODE: EP 60130

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.30 ± 0.05	DIN 53508	1.30 ± 0.05
HARDNESS	ASTM D2240	60 ± 5 Sh A	DIN 53505	60 ± 5 Sh A
TENSILE STRENGTH (min)	ASTM D412	1140 PSI	DIN 53504	80 kg/cm ²
ELONGATION AT BREAK (min)	ASTM D412	300%	DIN 53504	300%
COMPRESSION SET (70°C/24 hrs/25% Compression) (max)	ASTM D395 METHOD B	50%	DIN 53517	50%
TEAR RESISTANCE (Angular) min	ASTM D624	112 Lbs/Inch	DIN 53515	20 Kg/cm
CHANGE IN PROPERTIES AFTER HEAT AGEING FOR (72 hrs. AT 70°C)	ASTM D573			
--- HARDNESS (Pts)		+ 5 (Max)		+ 5 (Max)
--- TENSILE STRENGTH (%)		- 15% (Max)		- 15% (Max)
--- ELONGATION AT BREAK (%)		- 30% (Max)		- 30% (Max)
VOLUME SWELL : AT 70° C FOR 72 HRS	ASTM D 471			
IN ASTM OIL NO.1		NOT RECOMMENDED		NOT RECOMMENDED
IN ASTM OIL NO.2		NOT RECOMMENDED		NOT RECOMMENDED
IN ASTM OIL NO.3		NOT RECOMMENDED		NOT RECOMMENDED
EPDM RUBBER CONTENT IN TOTAL POLYMER		50 %		50 %
CHEMICAL RESISTANCE				
--- OZONE	ASTM D 1149	EXCELLENT		EXCELLENT
--- DILUTE ACIDS AND BASES		GOOD		GOOD
--- CONCENTRATED ACIDS AND BASES		FAIR		FAIR
--- OILS		NOT RECOMMENDED		NOT RECOMMENDED
--- SOLVENTS		NOT RECOMMENDED		NOT RECOMMENDED
TEMPERATURE RANGE		-30 °to + 120° C		-30 °to + 120° C
COLOUR		BLACK		BLACK



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