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 70122 PC

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUE METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.25 ± 0.05	ASTM D297	1.25 ± 0.05
HARDNESS	DIN 53505	70 ± 5 Sh A	ASTM D2240	70 ± 5 Sh A
TENSILE STRENGTH (min)	DIN 53504	1280 PSI	ASTM D412	90 kg/cm2
ELONGATION AT BREAK (min) %	DIN 53504	200	ASTM D412	200
COMPRESSION SET (100ºC / 22 hrs / 25% set) (max) %	DIN 53517	25	ASTM D395 METHOD B	25
TEAR RESISTANCE (Angular) min	DIN 53515	140 Lbs/Inch	ASTM D624	25 Kg/cm
CHANGE IN PROPERTIES				
HEAT AGEING (70 hrs. AT 125 ºC)			ASTM D573	
--- HARDNESS (Pts)		+ 5 (Max)		+ 5 (Max)
--- TENSILE STRENGTH (%)		- 10 (Max)		- 10 (Max)
--- ELONGATION AT BREAK (%)		- 20 (Max)		- 20 (Max)
VOLUME SWELL : AT 70º 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 @ 200 PPHM / 48 HRS / 40ºC		NO CRACK	ASTM D 1149	NO CRACK
--- DILUTE ACIDS AND BASES		EXCELLENT		EXCELLENT
--- CONCENTRATED ACIDS AND BASES		EXCELLENT		EXCELLENT
TEMPERATURE RANGE		-40º to + 140º C		-40º to + 140º C
COMPLIES WITH	VW 2.8.1 G70	PASS	VW 2.8.1 G70	PASS
COLOUR		BLACK		BLACK

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