



ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Quality Rubber Solutions



TECHNICAL SPECIFICATIONS

QUALITY : HYPALON

CODE : HN 50120

PROPERTIES	TEST METHOD	VALUES	TEST METHOD
		FPS UNITS	
SPECIFIC GRAVITY	ASTM D297	1.16	DIN 53508
HARDNESS	ASTM D2240	50 ± 5 Sh A	DIN 53505
TENSILE STRENGTH (min)	ASTM D412	995 PSI	DIN 53504
ELONGATION AT BREAK (min)	ASTM D412	400%	DIN 53504
COMPRESSION SET (70 ° C/24 hrs/25% set) (max)	ASTM D395 METHOD B	40%	DIN 53517
TEAR RESISTANCE (Angular) min	ASTM D624	95 Lbs/Inch	DIN 53515
CHANGE IN PROPERTIES			
HEAT AGEING (72 hrs. AT 70°C)	ASTM D573		
--- HARDNESS (Pts)		+ 3 (Max)	
--- TENSILE STRENGTH (%)		+ 10 / - 10	
--- ELONGATION AT BREAK (%)		+ 10 / - 10	
VOLUME SWELL : AT 70°C FOR 72 HRS/IN	ASTM D 471		
ASTM OIL NO.1		Not Recommended	
ASTM OIL NO.2		Not Recommended	
ASTM OIL NO.3		Not Recommended	
POLYMER CONTENT (HYPALON)		100%	
CHEMICAL RESISTANCE			
--- OZONE	ASTM D 1149	EXCELLENT	
--- DILUTE ACIDS AND BASES		EXCELLENT	
--- CONCENTRATED ACIDS AND BASES		GOOD	
--- OILS		GOOD	
--- SOLVENTS		FAIR	
TEMPERATURE RANGE		-30 ° to + 130° C	
COLOUR		BLACK	

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VALUES
METRIC UNITS
1.30
50 ± 5 Sh A
80 kg/cm ²
300%
40%
15 Kg/cm
+ 3 (Max)
+ 10 / - 10
+ 10 / - 10
Not Recommended
Not Recommended
Not Recommended
100%
EXCELLENT
EXCELLENT
GOOD
GOOD
FAIR
-35 ° to + 110° C
BLACK