



ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Quality Rubber Solutions



TECHNICAL SPECIFICATIONS

QUALITY : NATURAL RUBBER BLACK (ABRASION RESISTANCE SHEET) CODE : AB 40110

PROPERTIES	TEST METHOD	VALUES	
		FPS UNITS	METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.10	1.10
HARDNESS	ASTM D2240	40 ± 5 Sh A	40 ± 5 Sh A
TENSILE STRENGTH (min)	ASTM D412	2350 PSI	165 kg/cm2
ELONGATION AT BREAK (min)	ASTM D412	600%	600%
ABRASION RESISTANCE (max)	ASTM D5963	100 mm3	100 mm3
COMPRESSION SET (70°C/24 hrs/25% set) (max)	ASTM D395 METHOD B	30%	30%
TEAR RESISTANCE (Angular) min	ASTM D624	224 Lbs/Inch	40 Kg/cm
CHANGE IN PROPERTIES			
HEAT AGEING (72 hrs. AT 70°C)	ASTM D573		
--- HARDNESS (Pts)		+ 5 (Max)	+ 5 (Max)
--- TENSILE STRENGTH (%)		+ 10 / - 15	+ 10 / - 15
--- ELONGATION AT BREAK (%)		+ 10 / - 25	+ 10 / - 25
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
CHEMICAL RESISTANCE			
--- OZONE	ASTM D 1149	FAIR	FAIR
--- DILUTE ACIDS AND BASES		GOOD	GOOD
--- CONCENTRATED ACIDS AND BASES		NOT RECOMMENDED	NOT RECOMMENDED
--- OILS		NOT RECOMMENDED	NOT RECOMMENDED
--- SOLVENTS		NOT RECOMMENDED	NOT RECOMMENDED

TEMPERATURE RANGE		-25° to + 70 °c		-40° to + 80 °c
COLOUR		BLACK		BLACK

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