



ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Quality Rubber Solutions



TECHNICAL SPECIFICATIONS

QUALITY : NATURAL RUBBER BLACK (ABRASION RESISTANT SHEET) CODE: ABE 55120

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.2	DIN 53508	1.2
HARDNESS	ASTM D2240	55 ± 5 Sh A	DIN 53505	55 ± 5 Sh A
TENSILE STRENGTH (min)	ASTM D412	1425 PSI	DIN 53504	100 kg/cm2
ELONGATION AT BREAK (min)	ASTM D412	400%	DIN 53504	400%
ABRASION RESISTANCE (max)	ASTM D5963	140 mm3	DIN 53516	140 mm3
COMPRESSION SET (70° C/24 hrs/25% set) (max)	ASTM D395 METHOD B	40%	DIN 53517	40%
TEAR RESISTANCE (Angular) min	ASTM D624	168 Lbs/Inch	DIN 53515	30 Kg/cm
CHANGE IN PROPERTIES				
HEAT AGEING (72 hrs. AT 70°C)	ASTM D573			
--- HARDNESS (Pts)		+ 5 (Max)		+ 5 (Max)
--- TENSILE STRENGTH (%)		+10 / - 20		+10 / - 20
--- 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		-40 °to + 80° C		-40 °to + 80° C
COLOUR		COLOR		

A/2, PAREKH MAHAL, 80 VEER NARIMAN ROAD, CHURCHGATE MUMBAI - 400 020.

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