



ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Quality Rubber Solutions



TECHNICAL SPECIFICATIONS

QUALITY : COMMERCIAL NATURAL RUBBER CODE : NR 70150

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.5	DIN 53508	1.5
HARDNESS	ASTM D2240	70 ± 5 Sh A	DIN 53505	70 ± 5 Sh A
TENSILE STRENGTH (min)	ASTM D412	500 PSI	DIN 53504	35 kg/cm ²
ELONGATION AT BREAK (min)	ASTM D412	250%	DIN 53504	250%
ABRASION RESISTANCE (max)	ASTM D5963	450 mm ³	DIN 53516	480 mm ³
COMPRESSION SET (70°C/24 hrs/25% set) (max)	ASTM D395 METHOD B	60%	DIN 53517	60%
TEAR RESISTANCE (Angular) min	ASTM D624	112 Lbs/Inch	DIN 53515	12 Kg/cm
CHANGE IN PROPERTIES				
HEAT AGEING (72 hrs. AT 70 °C)	ASTM D573			
--- HARDNESS (Pts)		+ 5 (Max)		+ 5 (Max)
--- TENSILE STRENGTH (%)		+ 10 / -25		+ 10 / -25
--- 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	NOT RECOMMENDED		NOT RECOMMENDED
--- DILUTE ACIDS AND BASES		NOT RECOMMENDED		NOT RECOMMENDED
--- CONCENTRATED ACIDS AND BASES		NOT RECOMMENDED		NOT RECOMMENDED
--- OILS		NOT RECOMMENDED		NOT RECOMMENDED
--- SOLVENTS		NOT RECOMMENDED		NOT RECOMMENDED
TEMPERATURE RANGE		-30° to + 70° C		-30° to + 70° C

COLOUR		BLACK		BLACK
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