



ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Quality Rubber Solutions



TECHNICAL SPECIFICATIONS

QUALITY : NATURAL RUBBER

CODE : BRIDGE BEARING PAD:BS 5400

PROPERTIES	TEST METHOD	VALUES
		METRIC UNITS
SPECIFIC GRAVITY	BS 903 : Part A1	1.2
HARDNESS	BS 903 : Part A26	60 ± 5 IRHD
TENSILE STRENGTH (min)	BS 903 : Part A2	155 KG/CM2
ELONGATION AT BREAK (min)	BS 903 : Part A2	4
COMPRESSION SET (70°C/24 hrs/25% set) (max)	BS 903 : Part A6	0.3
TEAR RESISTANCE (Angular) min	BS 903 : Part A3	50 KG/CM
CHANGE IN PROPERTIES		
HEAT AGEING (7 days / 70°C)	BS 903: Part A 19	
--- HARDNESS (Pts)	BS 903 : Part A26	+ 10 / -10 (Max)
--- TENSILE STRENGTH (%)	BS 903 : Part A2	-15 /+ 15 (Max)
--- ELONGATION AT BREAK (%)	BS 903 : Part A2	- 20 / + 20 (Max)
LOW TEMPERATURE BRITTLINESS	BS 903 : Part A25	Below -25°C
LOW TEMPERATURE STIFFENING, (-25°C/24 HRS) , IRHD	BS 903 : Part A26	-0 / +15 (Max)
LOW TEMPERATURE CRYSTALLIZATION □ COMPRESSION SET @ -10°C/10 DAYS	BS 903 : Part A39	65% (MAX)
LOW TEMPERATURE CRYSTALLIZATION □ COMPRESSION SET @ -25°C/3 DAYS		
SHEAR MODULUS (at a strain of 0.25), N/MM ²	BS 903 : Part A 14	0.9
--- OZONE@25 pphm/30°C/96 hrs/20% stretch	BS 903 : Part A 43	NO VISIBLE CRACKS
POLYMER CONTENT (NATURAL RUBBER)		100%
Additional Information -		
CHEMICAL RESISTANCE		
--- DILUTE ACIDS AND BASES		NOT RECOMMENDED
--- CONCENTRATED ACIDS AND BASES		NOT RECOMMENDED
--- OILS		NOT RECOMMENDED
--- SOLVENTS		NOT RECOMMENDED
TEMPERATURE RANGE		-40° to + 70°C
COLOUR		BLACK

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

Email: info@zenithrubber.com

Website: www.zenithrubber.com