



ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Quality Rubber Solutions

An ISO 9001:2008 Certified Company
An ISO 14001:2004 Certified Company

GOVT.RECOGNISED EXPORT HOUSE

TECHNICAL SPECIFICATIONS

QUALITY : NR/SBR BUTTON MATS CODE: CS 80 (COIN MAT PROFILE)

PROPERTIES	TEST METHOD	VALUES		
		FPS UNITS	METRIC UNITS	
SPECIFIC GRAVITY	DIN 53508	1.60 ±0.05	1.60 ±0.05	
HARDNESS	DIN 53505	80 ± 5 Sh A	80 ± 5 Sh A	
TENSILE STRENGTH (min)	DIN 53504	498 PSI	35 kg/cm2	
ELONGATION AT BREAK (min)	DIN 53504	250%	250%	
ABRASION RESISTANCE (max)	DIN 53516	500 mm3	500 mm3	
COMPRESSION SET (70°C/24 hrs/25% compression) (max)	DIN 53517	40%	40%	
TEAR RESISTANCE (Angular) min	DIN 53515	89 Lbs/Inch	16 Kg/cm	
CHANGE IN PROPERTIES AFTER HEAT AGEING FOR (72 hrs. AT 70 °C)			ASTM D573	
--- HARDNESS (Pts)		+ 5 (Max)	+ 5 (Max)	
--- TENSILE STRENGTH (%)		+ 20 / - 20	+ 20 / - 20	
--- ELONGATION AT BREAK (%)		+ 25 / - 25	+ 25 / - 25	
VOLUME SWELL : AT 70°C FOR 72 HRS			ASTM D 471	
IN IRM OIL NO.1		NOT RECOMMENDED	NOT RECOMMENDED	
IN IRM OIL NO.2		NOT RECOMMENDED	NOT RECOMMENDED	
IN IRM OIL NO.3		NOT RECOMMENDED	NOT RECOMMENDED	
CHEMICAL RESISTANCE				
--- OZONE		FAIR	ASTM D 1149	
--- DILUTE ACIDS AND BASES		GOOD		
--- 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/GREY/BLUE/BROWN			



141/144,14TH FLOOR, FREE PRESS HOUSE, FREE PRESS JOURNAL MARG 215,NARIMAN POINT MUMBAI - 400021

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