



**ZENITH** INDUSTRIAL RUBBER  
PRODUCTS PVT. LTD.

*Quality Rubber Solutions*

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

**GOVT.RECOGNISED EXPORT HOUSE**

**TECHNICAL SPECIFICATIONS**

**QUALITY : NR/ SBR DIAMOND CHECKERED MAT**

**CODE: DCD 65**

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUE
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.45 ±0.05	ASTM D297	1.45 ±0.05
HARDNESS	DIN 53505	65 ± 5 Sh A	ASTM D2240	65 ± 5 Sh A
TENSILE STRENGTH ( min )	DIN 53504	497 PSI	ASTM D412	35 kg/cm2
ELONGATION AT BREAK ( min )	DIN 53504	250%	ASTM D412	250%
ABRASION RESISTANCE MAX	DIN 53516	300 mm <sup>3</sup>		300 mm <sup>3</sup>
COMPRESSION SET (70°C/24HRS/25%SET)	DIN ISO 815-1	30 %		30 %
TEAR RESISTANCE ( Angular ) min	DIN 53515	85 Lbs/Inch	ASTM D624	22 Kg/cm
CHANGE IN PROPERTIES				
HEAT AGEING ( 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 SWELLING AT 70 °C FOR 72 HRS IN			ASTM D 571	
IRM OIL NO. 1		NOT RECOMMENDED		NOT RECOMMENDED
IRM OIL NO 2		NOT RECOMMENDED		NOT RECOMMENDED
IRM OIL NO,3		NOT RECOMMENDED		NOT RECOMMENDED
<b>CHEMICAL RESISTANCE</b>				
--- OZONE		NOT RECOMMENDED	ASTM D 1149	NOT RECOMMENDED
--- DILUTE ACIDS AND BASES		FAIR		FAIR
--- 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
MAT DESIGN	DIAMOND CHEKERED PLATE MAT			



141/144,14<sup>TH</sup> FLOOR, FREE PRESS HOUSE, FREE PRESS JOURNAL MARG 215,NARIMAN POINT MUMBAI – 400021  
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