

TECHNICAL SPECIFICATIONS

NATURAL RUBBER SHEETS (anti-abrasive grade) | ITEM CODE : NR 12045

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.20 gm/cm ³	DIN 53508	1.20 gm/cm ³
HARDNESS	ASTM D2240	45 ± 5 Sh A	DIN 53505	45 ± 5 Sh A
TENSILE STRENGTH (min)	ASTM D412	1650PSI	DIN 53504	110 kg/cm ²
ELONGATION AT BREAK (min)	ASTM D412	400 %	DIN 53504	400%
ABRASION RESISTANCE (max)	ASTM D5963	180mm ³	DIN 53516	180 mm ³
COMPRESSION SET (70 ⁰ C/24hrs/25% set) (max)	ASTM D395 METHOD B	35%	DIN 53517	35%
TEAR RESISTANCE (Angular) min.	ASTM D624	140 lbs/Inch	DIN 53515	25 Kg/cm
CHANGE IN PROPERTIES				
HEAT AGEING (72 hrs. AT 70 ⁰ C)	ASTM D573			
---HARDNESS (Pts)		+5(Max)		+5 (Max)
---TENSILE STRENGTH (%)		+10/-25		+10/-25
---ELONGATION AT BREAK(%)		+10/-20		+10/-20
VOLUME SWELL : AT 40 ⁰ C FOR 22 HRS/IN	ASTM D 471			
FUEL B		+25%		+25%
POLYMER CONTENT (NR)		100%		100%
CHEMICAL RESISTANCE				
---OZONE	ASTM D 1149	FAIR		FAIR
---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
TEMEPRATURE RANGE		-40 ⁰ to + 70 ⁰ C		-40 ⁰ to + 70 ⁰ C
COLOUR		BLACK/RED/OFF. WHITE/TAN		BLACK/RED/OFF. WHITE/TAN



This data is recorded under a controlled environment & and at-most emphasis is given for correctness, however doesn't purport to be exclusive. As observed in the live working environment, particular operating conditions influence the properties & durability of product. We recommend users to themselves workout their specific applications & product efficiency.

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