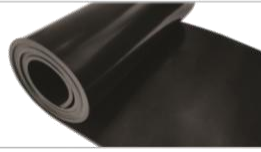




Abra-Tuff Steel 45

PRODUCT CODE – Abra-Tuff Steel 45



TECHNICAL SPECIFICATIONS

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES FPS UNITS
SPECIFIC GRAVITY	-	1.20 ± 0.05	ASTM D297	1.20 ± 0.05
HARDNESS	ISO 48-4	45 ± 5 Sh A	ASTM D2240	45 ± 5 Sh A
TENSILE STRENGTH (min)	ISO 37	1849 PSI	ASTM D412	130 kg/cm ²
ELONGATION AT BREAK (min)	ISO 37	500%	ASTM D412	500 %
COMPRESSION SET (70°C/24 hrs/25% compression) (max)	ISO 815-1	30 %	ASTM D395 METHOD B	30 %
TEAR RESISTANCE (Angular) min	ISO 34-1	168 Lbs/Inch	ASTM D624	30 Kg/cm
ABRASION RESISTANCE (max)	ISO 4649	140 mm ³ (5N)	ASTM D5963	140 mm ³ (5N)
CHANGE IN PROPERTIES AFTER				
HEAT AGEING FOR (72 hrs. AT 70 °C)			ASTM D573	
--- HARDNESS (Pts)		+ 5 (Max)		+ 5 (Max)
--- TENSILE STRENGTH (%)		+10/-15		+10/-15
--- ELONGATION AT BREAK (%)		+10/-25		+10/-25
VOLUME SWELL : AT 70°C FOR 72 HRS			ASTM D 471	
IN IRM OIL NO.901		NOT RECOMMENDED		NOT RECOMMENDED
IN IRM OIL NO.902		NOT RECOMMENDED		NOT RECOMMENDED
IN IRM OIL NO.903		NOT RECOMMENDED		NOT RECOMMENDED
CHEMICAL RESISTANCE				
--- OZONE		FAIR	ASTM D 1149	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
TEMPERATURE RANGE		-25° to + 70° C		-25 ° to + 70° C
COLOR		YELLOW/BLACK/ RED		YELLOW/ BLACK/RED
FINISH	ONE SIDE SMOOTH OTHER SIDE STEEL PLATE BACKING			

Note: All pictures shown are for illustration purpose only. Actual product may vary due to product enhancement.*



ISO140 01 : 2015

ISO 9001 : 201 5

45001:2018

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FDA

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