

Technical Data Sheet

Material: Polymax Circa Stud Matting Rolls

Test.No.	Test Name	Test Standard	Unit	Specified Values	OBSERVED VALUES
Physical Properties of Polymax Circa Stud Matting Rolls					
1	Hardness	ASTM D 2240	Shore A	80 ± 5	81 - 83
2	Tensile Strength	ASTM D 412	Kg/cm ²	60 (min)	62 - 67
3	Elongation Strength at Break	ASTM D 412	%	250 (min)	300 - 350
4	Tear Strength	ASTM D 624	Kg/cm	25 (min)	27 - 30
5	Abrasion Loss @ 10 N Load	ASTM D 5963	mm ³	500 (max)	450 - 480
6	Compression Set @ 70°C X 22 Hrs.	ASTM D 395	%	30 (max)	25.5 - 27.6
7	Sp. Gravity	NA	NA	1.45 ± 0.05	1.44 - 1.46
		(RED M/D-WEIGHT IN AIR/WEIGHT IN WATER)			
Ageing Properties of Polymax Circa Stud Matting Rolls @ 70°C X 70 Hours					
1	Hardness	ASTM D 2240	Shore A	+7	+5
2	Tensile Strength	ASTM D 421	Kg/cm ²	-20%	-12%
3	Elongation Strength at Break	ASTM D 421	%	-30%	-25%
Behavioural Properties of Polymax Circa Stud Matting Rolls					
1	Thickness	NA	MM	3.00 ± 0.3	2.9 - 3.2
2	Dimensional Stability	ASTM F 2199	%	± 0.4	0.28
3	Cigarette Burn Resist	VISUAL	No Burn or Damage	No Burn or Damage	Fulfilled
4	Colour Fastness to Artificial Light	VISUAL	The UV bulb level 3	No colour change	No colour change
5	Electrical Insulation	IS 3396 · 1965	Ohm (Ω)	--	10 ¹³
6	Slip Resistance	ISO 5904	N	50 (min)	68 - 75
7	Fire Behaviour	DIN 4102	--	B1	B1
8	Water Resistance	VISUAL	--	Good	V.GOOD
9	Water Absorption @ (70 Hrs. X 24 °C)	ASTM D 471	%	< 0.2	0.10 - 0.13
10	Chemical Resistance (Dilute Acid & Alkali)	--	--	FAIR	FAIR
11	Applicable Temp.	--	°C	-30°C to +80°C	-30 °C to +80 °C

Although the technical details and recommendations made correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intend to use Polymax products must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.