



## TECHNICAL SPECIFICATION OF HIGH PRESSURE LAMINATE SHEET

Properties	Specified as per IS:2046-1995	Majestic Mica's Typical Values
Thickness	0.7 to 0.9 mm (+/-10%)	0.7 to 0.9 mm (+/- 0.05%)
Resistance to surface wear	350 Revolutions min.	> 350 Revolutions
Resistance to immersion in boiling water		
Mass Increase (%)	10.0% (max.)	5.0% (max.)
Thickness increase (%)	11.8% (max.)	6.0% (max.)
Resistance to dry heat at 180°C	Should pass test	Passes
Dimensional Stability at elevated temperature		
Longitudinal (%)	0.55% (max.)	0.45% (max.)
Transverse (%)	0.025% (max.)	0.85% (max.)
Dimensional Stability at 20°C		
Longitudinal (%)	0.375% (max.)	0.285% (max.)
Transverse (%)	0.60% (max.)	0.50% (max.)
Resistance to impact by small diameter ball	20 N(min.)	25 N(min.)
Resistance to cracking	Should pass test	Passes comfortably
Resistance to scratching	2 N(min.)	3 N(min.)
Resistance to staining	Should pass test	Passes all test
Resistance to color change	Wool Standard	
1. In Xenon Light	Should pass test	Passes
2. In enclosed carbon arc light	Should pass test	Passes
Resistance to Cigarette Burns	Should pass test	Passes
Resistance to Steam	Should pass test	Passes
Appearance	No ABC defects	No ABC defects
Specific Gravity gm/gm <sup>2</sup>		(1.35 min.)



## TECHNICAL SPECIFICATION OF SCRATCH RESISTANT LAMINATE SHEET

Property	Property /Attributes	Unit(Max/ Min)	As Per STD	Majestic Plus Value
Resistance to Surface wear	Wear resistance	Revolution (min.) wear value	350	>700
Resistance to Impact by small diameter ball	Spring force	N (min.)	20	>20
Resistance to Impact by large diameter ball (optional)	Drop height indent diameter	mm (min.)	800	>800
		mm (max.)	10	
Resistance to scratching	Force	Rating	2	>3
Dimensional Stability at elevated temperature	Cumulative dimensional change	% (max.) La Tb	< 0.55	>0.45
			< 1.05	>0.95
Resistance to immersion in boiling water	Appearance	Degree (min.)	3	>3
Resistance to dry heat at 180°C	Appearance	Degree (min.)	3	>3
Resistance to staining	Appearance	Rating (min.)	5	>5
Light Fastness (Xenon Arc)	Contrast	Wool Std. Rating	5	>6
Resistance to water vapor	Appearance	Rating (min.) Gloss Finish	4	>4
Resistance to cigarette Burns	Appearance	Rating (min.)	3	>3
Resistance to cracking under stress	Appearance	Rating (min.)	4	>4