



**WONDER INDUSTRIES**

**PRODUCT TECHNICAL SPECIFICATIONS**

Sr. No.	Performance Category	Grade	Requirement of IS2046	Actual Test Result		
1	Resistance to colour change	HGS	Min. 5 Wool STD.	Less than 5		
2	Resistance to staining	HGS	Not worse than 5	5 (No visible change)		
	a) Citric Acid Solution					
	b) Ink					
	c) Rectified Spirit					
	d) Iodine Solution					
	e) Kerosine Oil					
	f) Silver Nitrate Solution					
3	Resistance to immersion in boiling water	CGF		Degree 5 (No visible change)		
	a) Boiling water absorption(%)				Max5.0	2.9
	b) Increase in thickness(%)				Max 7.0	2.2
	c) Effect on the surface				Degree 5	Degree 5 (No visible change)
4	Flexural Strength	HGS	No requirement	1666 6 kg/cm2		
5	Tensile Strength	HGS	No requirement	533.3 kg/cm2		
6	Resistance to dry heat at 180C	CGS	Degree 3 to 4	Degree 5 (No visible change)		
7	Warping (Flatness)	CGS	Max. 10 for double faced	6.5		
8	Thickness variation	CGS	Max% 0.20 for 3.0mm thickness	0.06		
9	Dimensional stability at deviated temperature	CGS		Satisfactory		
	visual examination					
10	Machining test	CGS		Satisfactory		
11	Resistance to spread of flame	CGS	Class B	Class A		
12	Dimensional Stability at 20C	CGS				
	a) Machine Direction (%)				Max0.45%	0.06
	b) Transverse Direction (o/o)				Max0.85%	0.05
13	Determination of Visibility due to smoke	CGS	Class B	Class A		

**PRODUCT STANDARDS:**

International Standards: ISO 4586 -1 & 21 • Indian Standards: IS 2046:1995, C/K 5141 • European Union Standards: MTDS 086, EN 438-2:20051 • British Standards: BS 3794 1 & 2

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