

Sr. No.	Properties	Specification	
		Grade I	Grade II
1	Bulk Density Kg/M ³)	600 - 900	600 - 900
2	Density Variation (Max) Percent	± 10	± 10
3	Moisture Content (%)	5 – 10	5 – 10
4	Variation From Mean Moisture	± 3	± 3
5	Water Absorption (%) Max a. After 2 hours soaking b. After 24 hours soaking	6 12	9 18
6	Thickness swelling (Max) Percent, 2 Hours	4	7
7	Modulus of Rupture (Min) N/mm ² a. Up to 20mm Thickness b. Above 20mm Thickness	28 25	28 25
8	Modulus of Elasticity (Min) N/mm ² a. Up to 20mm Thickness b. Above 20mm Thickness	2800 2500	2800 2500
9	Tensile Strength perpendicular to the surface (Min) N/mm ² a. Up to 20mm Thickness b. Above 20mm Thickness	0.8 0.7	0.7 0.6
10	Tensile Strength perpendicular to the surface (Min) N/mm ² a. After Accelerated water resistance test b. After Cyclic Test	0.25 0.40	Not applicable

11	Screw Holding (Min), N a. Face b. Edge	1500 1250	1500 1250
12	Abrasion resistance test (Min) in number of revolution a. Type I b. Type II c. Type III d. Type IV	1000 450 250 75	1000 450 250 75
13	Resistance to steam	Should pass	Should pass
14	Resistance to cracks	Should pass	Should pass
15	Resistance to Cigarette Burn	Should pass	Should pass
16	Resistance to stain	Should pass	Should pass