PT. SUMATERA PRIMA FIBREBOARD

Standard Product Specification

Properties	Product Type	Unit	Test Method	Thickness (mm)					
				1.5 - 2.4	2.5 - 3.0	3.1 - 6.0	6.1 - 12.0	12.1 - 18.0	18.1 - 25.0
Thickness tollerance	E2, E1, E0, P2, FR, HMR, HDF	mm	EN 324-1	± 0.15	± 0.15	± 0.15	± 0.20	± 0.20	± 0.30
Minimum Average Density	E2, E1, E0, P2, FR, HMR	Kg/m3	EN 323	825	800	780	750	680	660
	HDF	Kg/m3	EN 323	870	870	860	830		
Internal Bonding (IB)	E2, E1, E0, P2, FR, HMR	N/mm²	EN 319	≥ 0.85	≥ 0.80	≥ 0.75	≥ 0.70	≥ 0.65	≥ 0.60
	HDF	N/mm²	EN 319	≥ 1.20	≥ 1.20	≥ 1.00	≥ 1.00		
Modulus of Rupture (MOR)	E2, E1, E0, P2, FR, HMR	N/mm²	EN 310	≥ 25	≥ 30	≥ 30	≥ 30	≥ 30	≥ 30
	HDF	N/mm²	EN 310	-	≥ 35	≥ 35	≥ 35		
Modulus of Elasticity (MOE)	E2, E1, E0, P2, FR, HMR	N/mm²	EN 310	≥ 2,500	≥ 3,000	≥ 3,000	≥ 2,800	≥ 2,500	≥ 2,300
	HDF	N/mm²	EN 310	-	≥ 3,300	≥ 3,300	≥ 3,300		
Thickness Swelling (after 24 hr immersion)	E2, E1, E0, P2, FR,	%	EN 317	≤ 45	≤ 45	≤ 35	≤ 25	≤ 17	≤ 13
	HDF	%	EN 317	≤ 20	≤ 17	≤ 17	≤ 13		
	HMR	%	EN 317	≤ 30	≤ 25	≤ 20	≤ 17	≤ 13	≤ 10
Moisture Content	E2, E1, E0, P2, FR, HMR, HDF	%	EN 322	≥ 5.0					
Formaldehyde Emission / Content	E2	mg/100 g	EN 120	8 < FC ≤ 30					
	E1	mg/100 g	EN 120	≤ 8					
	SPF's E0	mg/100 g	EN 120	≤ 5					
	P2	ppm	ASTM E1333	Thickness < 8.0 mm			Thickness ≥ 8.0mm		
			(CARB correlation)	Avg ≤ 0.13			Avg ≤ 0.11		
	JIS Product			Testing methods and product's specification are according to JIS specification					

Update: Jan 2013