

DOSOOZ Technical Data Sheet



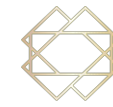
Test Item	Test Standard	Visual Studio	Euforia	Allure	Bralenzia	Aboria
Scratch resistance	DIN 68861-4	Class: 4D	Class: 4D	Class: 4E (0.9N)	Class: 4E (0.8N)	Class: 4D
Performance in dry heat	DIN 68861-7	Class:7D	Class:7D	Class:7D	Class:7D	Class:7D
Performance in wet heat	DIN 68861-8	Class:8B	Class:8B	Class:8B	Class:8B	Class:8B
Finished board density	DIN EN 323	0.72g/cm ³	0.69g/cm ³	0.72g/cm ³	0.73g/cm ³	0.65g/cm ³
Material unit/Sand content	DIN EN ISO 3451-1	N/A	2.01%	1.95%	2.76%	N/A
Humid climate resistance	AMKMB005 module 1, AMKMB005 module 2	Pass	Pass	Pass	Pass	Pass
Alternating climate resistance	AMK-MB-005 Module 3	Pass	Pass	Pass	Pass	Pass
Long-term heat storage: 4 week at 50 C	TUV In-house method	Pass	Pass	Pass	Pass	Pass
Chemical resistance	DIN 68861-1 EN 12720	Pass Numerical Rating: 5 (Class 1A)	Pass Numerical Rating: 5 (Class 1A)	Pass Numerical Rating: 5 (Class 1A)	Pass Numerical Rating: 5 (Class 1A)	Pass Numerical Rating: 5 (Class 1A)
Fire behavior	DIN 4102-1	Pass (Level B2)	Pass (Level B2)	Pass (Level B2)	Pass (Level B2)	Pass (Level B2)
Weight (3/4" thick)	N/A	43.8kg/96.56lbs	57kg/125.66lbs	52.18kg/115.03lbs	51.75kg/114.09lbs	43kg/94.80lbs
Weight (1/4" thick)	N/A	17.7kg/39.02lbs	N/A	18.3kg/40.34lbs	18.3kg/40.34lbs	15.6kg/34.39lbs
Size (3/4' thick)	N/A	1220x2800x18mm	1220x2800x19mm	1245x2800x18.7mm	1240x2800x18.8mm	1220x2800x18mm
Size (1/4' thick)	N/A	1220x2440x5.8mm	N/A	1220x2440x6.7mm	1220x2440x6.5mm	1220x2440x5.8mm

Superior Particle Board Technical Data



Test Item	Standard Requirement		Unit	Result	Evaluation
Bending Strength (ASTM D1037)	≥11.0		MPA	18.6	Compliant
Elastic Modulus (ASTM D1037)	≥1600		MPA	3720	Compliant
Internal Bond Strength (ASTM D1037)	≥0.35		MPA	0.5	Compliant
Surface Bond Strength (ASTM D1037)	≥0.60		MPA	1.83	Compliant
2h Water Absorption Thickness Swelling Rate (ASTM D1037)	≤8.0		%	0.5	Compliant
Screw Holding Strength (ASTM D1037)	Board Surface	≥900	N	990	Compliant
	Board Edge	≥600	N	810	Compliant
Surface Resistance to cold and heat Cycles (ASTM D1037)	No cracks,bubbles,discoloration or wrinkles		-	Compliant with standard requirements	Compliant
Surface Scratch Resistance (ASTM D1037)	≥1.5N,No continuous scratches over 90% of the surface		-	Compliant with standard requirements	Compliant
Surface Wear Resistance (ASTM D1037)	Wear Value	≤80	mg/100r	16	Compliant
	Surface Condition	Plain color:No exposed base after 350r	-	Compliant with standard requirements	Compliant
		Pattern:Retain over 50% of the pattern after 100r	-	-	-
Surface Resistance to Cigarette Burns (ASTM D1037)	Level 4 or above		Level	4	Compliant
Surface Resistance to Dry Heat (ASTM D1037)	Level 4 or above		Level	5	Compliant
Surface Resistance to Pollution & Corrosion (ASTM D1037)	Surface Resistance to Pollution & Corrosion	Plain color:Level 4 or above	Level	Acetone:5 Coffee(120g/L):5 Sodium Hydroxide(25% solution):5 Hydrogen Peroxide(30% solution):5 Shoe Polish:5 Citric Acid(10% solution):5	Compliant
				Compliant	
Surface Resistance to Cracking (ASTM D1037)	Level 4 or above		Level	5	Compliant
Surface Resistance to Steam (ASTM D1037)	Level 4 or above		Level	5	Compliant
Light Fastness (ASTM D1037)	Blue Wool Scale 6, Gray Scale 4 Level		Level	4	Compliant
Formaldehyde Emission (CARB Phase 2)	Average: ≤ 0.3		mg/L	Average: 0.2	Compliant
	Maximum: ≤ 0.4			Maximum: 0.3	Compliant

MDF Technical Data



DOSOZ

Test Item	Std Requirement	Unit	Measured Result	Evaluation
Density (ASTM D2395)	710-740	kg/m ³	731.78	Compliant
Density Deviation Within Board (ASTM D1037)	±2	%	+1.03 -0.76	Compliant
Moisture Content (ASTM D4442)	5-10	%	6.37	Compliant
Modulus of Rupture (ASTM D1037)	≥20	Mpa	24.9	Compliant
Elastic Modulus (ASTM D1037)	≥2000	Mpa	2373	Compliant
Internal Bond Strength (ASTM D1037)	≥0.6	Mpa	1.03	Compliant
Surface Bond Strength (ASTM D1037)	≥0.8	Mpa	1.09	Compliant
Thickness Swelling Rate (ASTM D1037)	≤10	%	6.68	Compliant
Abrasion Resistance (ASTM D4060)	≥1000	Cycles	1100	Compliant
Impact Resistance (ASTM D256)	≥2	KJ/m ²	2.2	Compliant
Formaldehyde Emission (CARB Phase 2)	≤0.135	mg/m ³	0.106	Compliant