



AGRO FIBER CO.,LTD.

304 Industrial Park 1, 138 Moo 7 Thatoom Srimahaphote, Prachinburi 25140
Tel. +66(0) 37 Fax. (66) 2659 1319

PHYSICAL PROPERTIES OF MEDIUM DENSITY FIBER BOARD (MDF) A GRADE

PROPERTIES	TEST METHODS	UNITS	RANGES OF NORMAL THICKNESS (mm)					
			2.5 - 4.0	> 4.0 - 6.0	> 6.0 - 9.0	> 9.0 - 12.0	> 12.0 - 19.0	> 19.0 - 25.0
THICKNESS TOLERANCE	EN 324-1	mm	+ 0.2					
DENSITY	EN 323	Kg/m ³	780 - 860	740 - 830	670 - 750	660 - 740	660 - 730	660 - 730
INTERNAL BONDING	EN 319	N/mm ²	≥ 0.65	≥ 0.65	≥ 0.65	≥ 0.60	≥ 0.55	≥ 0.55
SWELLING IN THICKNESS (AFTER 24 hr. SOAKING)	EN 317	%	≤ 35	≤ 30	≤ 17	≤ 15	≤ 12	≤ 10
MODULUS OF RUPTURE	EN 310	N/mm ²	≥ 26	≥ 26	≥ 26	≥ 25	≥ 23	≥ 21
MODULUS OF ELASTICITY	EN 310	N/mm ²	≥ 2700	≥ 2700	≥ 2700	≥ 2500	≥ 2400	≥ 2300
SCREW HOLDING FACE	EN 320	N/mm ²	N/A				≥ 1000	≥ 950
SCREW HOLDING EDGE	EN 320	N/mm ²	N/A				≥ 700	≥ 650
MOISTURE CONTENT	EN 322	%	4 - 11					
WIDTH & LENGTH TOLERANCE	EN 324-1	mm	± 2.0					
STANDARD SIZE		mm	1230 x 2450					
FORMALDEHYDE CONTENT								
E1 CLASS	ISO 12460-5	mg/100g oven dry board	≤ 8					
E2 CLASS	ISO 12460-5	mg/100g oven dry board	≤ 30					
FORMALDEHYDE CONTENT FOR EPA TSCA TITLE VI (ENVIRONMENTAL PROTECTION AGENCY)*								
THIN BOARD (THICKNESS ≤ 8.0 mm)	ASTM D6007	ppm.	≤ 0.13					
THICK BOARD (THICKNESS ≥ 8.0 mm)	ASTM D6007	ppm.	≤ 0.11					

* EPA TSCA TITLE VI ONLY THICKNESS 2.5 mm, 2.6 mm, 2.7 mm, 3 mm, 4 mm, 5 mm, 5.5 mm, 6 mm, 7.4 mm, 8 mm, 9 mm, 10 mm, 11 mm, 11.3 mm, 12 mm, 14 mm, 15 mm, 16 mm, 17 mm, 18 mm, 19mm, 20 mm, 21 mm, 22 mm, 25 mm

For Domestic

ISO 9001 Quality Management System
Department : Quality Assurance

Document Number : SD-QC-032 Rev. 11
effective date : June 25, 2021

Prepare by : Miss Paweena Poohtong
Approve by : Mr. Touchpong Dararak