

Fortis

Compact

Technical Data

Compact Laminate - EN438

Property	Conditions	Value	Standard
Flexural Strength	Specimen: 240mmx19.894mmx11.405m m Testing speed: 5.0mm/min Span: 186mm Lab environmental condition: 23±2°C, 50±5%RH	117Mpa	(ISO178)
Tension Strength	Specimen portion: 24.35mm Specimen thickness: 11.44mm Testing speed: 10mm/min Lab environmental condition: (23±2)°C, (50±5)%RH	61.3Mpa Test specimens were Broken at the holding position	(ISO527)
Young Modulus	Test conditions: 21.2°C /42.6% Test speed: 2mm/min Specimen dimensions: Per ISO 527 type 1A	Average thickness:3.94mm Average width:10.19mm Average failure load:4032N Average young modulus: (14439Mpa)	(ISO527)

Property	Conditions	Value	Standard
Dimensional Stability Under Dry	Specimen: 200mmx50mmx11.4mm, 8pcs (4pcs for each direction) Dry heat test: 70°C, 24h Lab environmental condition: (23±2)°C, (50±5) % RH	-0.18%(direction1) -0.18%(direction2)	(EN428-2.17)
Dimensional Stability Under Humidity	Specimen:200mmx50mmx11.4 mm, 8pcs (4 pcs for each direction) High humidity test:40°C, 90%RH,96h Lab environmental condition: (23±2)°C, (50±5)%RH	0.08%(direction1) 0.12%(direction2)	(EN438-2.17)
Fire Resistance Vertical Burning	Specimen: 125mmx13.20mmx11.48mm As received: (23±2)°C, (50±5)%RH, 48h Ageing: (70±2)°C 168h Desiccator, (23±2)°C, 4h	Classification: V-0	(UL94)

Size tolerance:	+10 /- 0mm
Density:	1450kg/m ³
Thickness:	3~25mm
Thickness tolerance:	3~5mm: ±0.4mm 5~25mm: ±0.5mm