

Product Data Sheet TECU® Bond Classic PE

Stand: 24.04.2008

Physical and Mechanical Properties of Composite Sheet	
Properties	Value
Face Material	Cu- DHP (TECU® Classic)
Total composite sheet thickness	4.0 mm
Thickness of copper outer face	0.3 mm
Thickness of copper inner face	0.3 mm
Core thickness	3.4 mm
Modulus of Elasticity	17,856 ± 657 N/mm ²
Yield Strength	36.25 ± 0.18 N/mm ²
Ultimate Tensile Strength	50.81 ± 0.19 N/mm ²
% Elongation at Rupture	38.82 ± 1.39 %
Moment of Inertia	0.182 ± 0.002 cm ⁴ /m
Flexural Rigidity	2,130 kN ± 25 kN cm ² /m

Technical Specification			
Nr.	Properties	Value PE Cu	Test Method
1	Dimensional Tolerances (mm) - thickness - width - length	0/ + 0.2 0/ + 2.5 0/ + 4.0	
2	Squareness Tolerance between diagonals (mm)	± 3.0	
3	Panel mass (kg/m ²)	7,69 ± 10 %	
4	Core density (kg/m ³)	910 ± 10%	PN-EN ISO 845:2000
5	Flexural rigidity, average value in perpendicular and parallel direction, MPa	≥ 100	PN-EN ISO 178:2006
6	Modulus of elasticity when bending, average value in perpendicular and parallel direction, MPa	17.000	
7	Bond strength between core and surface, tear-off method: average value in perpendicular and parallel direction (N/mm)	≥ 700	PN-69/ C-89302

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