

Main Parameters	Glass Fibre Reinforcement								Standard
Type of panel	CD10	CD11	CD12	CD14	CD15	CD16	CD18.6	CD30	
Reference thickness (mm)	10.0	11.0	12.0	14.0	15.0	16.0	18.6	30.0	
Tolerance in thickness (mm)	+/- 0.5mm								DIN EN ISO 13385-1
Weight (kg/m²)	4.19	4.31	5.62	4.65	4.98	5.5	6.69	8.03	ISO 4605
Maximum production width (mm)	2950 +/- 1mm								
Maximum production length (mm)	13500 +/- 2mm								
Compressive strength honeycomb (N/mm²)	2.2	3.0	3.0	2.2	2.2	2.2	3.63	3.63	DIN EN ISO 844
Compressive modulus honeycomb (N/mm²)	80	90	90	80	80	80	123	123	DIN EN ISO 844
Content of glass fiber (%)	67	67	67	67	67	67	69	66	ASTM D5630
Tensile strenght skin 0° (N/mm²)	270.6	270.6	270.6	270.6	270.6	270.6	430.5	430.5	ASTM D3039/D3039M
Tensile modulus skin 0° (N/mm²)	9356	9356	9356	9356	9356	9356	15645	15645	ASTM D3039/D3039M
Elongation at break skin 0° (%)	2.3	2.3	2.3	2.3	2.3	2.3	2.61	2.61	ASTM D3039/D3039M
Tensile strength 90° (N/mm²)	441.7	441.7	441.7	441.7	441.7	441.7	413.7	413.7	ASTM D3039/D3039M
Tensile modulus skin 90° (N/mm²)	16995	16995	16995	16995	16995	16995	14781	14781	ASTM D3039/D3039M
Elogation at break skin 90° (%)	2.4	2.4	2.4	2.4	2.4	2.4	2.47	2.47	ASTM D3039
Bending strength	83.9	76.3	49.4	56.2	52.1	40.0	46.7	21.5	DIN EN ISO 14125
Flexural Modulus (3-Point) 90° (N/mm²)	4979	4366	4010	2526	2431	2480	2717	582	DIN EN ISO 14125
Heat aging ¹⁾	10 years								External test
UV-aging ²⁾	10 years								ISO 4892-2:2006
Alkaline aging ³⁾	10 years								External test

Thermal Properties		
Thermal Expansion Coefficient (23°C – 50°C) (10 ⁻⁶ m/mK)	32	DIN 53752
Temperature range (°C)	-40/+80	ISO 75

Other Properties								
Load rating	4	4	4	4	4	4	4	DIN EN 12811-3
Water absorption (%)	<1.5							DIN EN ISO 62
Product certification	✓							DIN EN ISO 9001
Surface Anti-Skid Rating	R12							DIN EN 16165
Inflammability	B2/F2							DIN 4102/ DIN 53438-1
Treatment for fire retardment	optional: B-s1, d0/B1							DIN EN 13501-1/ DIN 4102-1
Processing	on site: like plywood Industrial production: with optimized cutting and drilling geometries							
Warranty	7 years							