

Technical Data Sheet (TDS)

Spacerglass SPD (Standard Pile Density) with epoxy resin

SPACERGLASS C4,5T... SPD																	
Type	Standard	Unit	C4,5T1	C4,5T2	C4,5T3	C4,5T4	C4,5T5	C4,5T6	C4,5T7	C4,5T8	C4,5T9	C4,5T10	C4,5T11	C4,5T12	C4,5T13	C4,5T14	C4,5T15
Sandwich thickness		mm	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Dry Fabric Weight		kg/m ²	0.71	0.73	0.75	0.78	0.81	0.83	0.86	0.89	0.92	0.95	0.98	1.01	1.05	1.08	1.11
Laminated Weight		kg/m ²	1.49	1.53	1.58	1.64	1.7	1.74	1.81	1.87	1.93	2.00	2.06	2.12	2.21	2.27	2.33
Thermal Conductivity	DIN 52616	W/mK	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.08	0.08	0.08	0.08	0.08	0.08
Thermal Resistance		m ² K/W			0.05		0.09			0.13		0.13		0.13			0.16
Compressive Strength	ASTM 365	N/mm ²	19.00	13.00	8.80	6.30	4.80	3.90	3.30	2.70	2.00	1.50	1.25	1.10	1.00	1.00	1.00
Shear Strength	ASTM 273	N/mm ²	2.10	1.90	1.80	1.70	1.60	1.10	0.90	0.70	0.65	0.60	0.55	0.50	0.45	0.40	0.40
		Mpa	15.40	14.00	12.20	11.70	11.10	10.10	9.30	8.70	8.40	8.35	8.30	8.25	8.20	8.10	8.10
Bending Stiffness	ASTM 393	Nm ²	0.2	0.8	1.1	2.3	3.5	4.8	6.7	8.8	11.0	15.1	19.5	31.4	32.0	38.8	47.0
Flexural Modulus	ASTM 393	Gpa	8.5	9.8	11.4	12.8	14.8	15.9	17.5	19.0	20.6	21.9	23.6	24.3	26.4	27.8	28.9



3D Weaving

All given values are average values and depending on laminating process, type of resin and working conditions.

This Technical Data Sheet is available for general use by 3D Weaving BVBA distributors, agents and any other interested parties.

3D Weaving BVBA shall not be held responsible or liable for loss or damage resulting from such use.