

MATERIAL DATA SHEET

PRODUCT: W8SVR® Woven PP-GF/45

TYPE: Consolidated Woven Glass - Polypropylene sheet

MATERIAL	UNIT	
Fiber	-	E-Glass Roving
Polymer	-	Polypropylene (PP)
Fiber volume content (nominal)	vol-%	45
Fiber weight content (nominal)	wt-%	70
Weaving style	-	Plain weave
Density	g/cm ³	1,65
Thickness per layer (nominal)	mm	0,5

MECHANICAL PROPERTIES	ACCORDING TO STANDARD	Unit	VALUE LONGITUDINAL	VALUE TRANSVERSAL
Tensile modulus	EN ISO 527/4 ^{1.)}	GPa	19,5	19,5
Tensile strength	EN ISO 527/4 ^{1.)}	MPa	425	425
Elongation at break	EN ISO 527/4 ^{1.)}	%	2,4	2,4
Flexural modulus	EN ISO 14125 ^{2.)}	GPa	18,2	18,2
Flexural strength	EN ISO 14125 ^{2.)}	MPa	410	410

Test Condition 20°C; dry (as manufactured)

THERMAL PROPERTIES	ACCORDING TO STANDARD	Unit	TEST CONDITION	VALUE
Melting temperature	ISO 11357-3	°C	10 K/min	164
Burning behavior	DIN 75200 DIN 4102-1 (B2)		Passes both tests according to DIN for sheets made purely of W8SVR® Woven PP-GF/45	

Legend

- : Not relevant

1) Test specimen: 250mm x 25mm x 2mm

2) Test specimen 60mm x 15mm x 2mm

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Disclaimer:

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