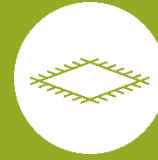



TECHNICAL DATASHEET

Mesh Preg Laminates



Product Data

Product Id:	3711020002	
Roll size:	1200 mm x 25 m	
Thickness:	0.5 mm	
Fabric Weight:	215 g/m ²	
Thermoforming temp.:	>120 °C	

Product Information

Resin type	UV resistance	Fiber material	Resin content	Design/Colour	Woven type
Polylactic acid	Good	Flax	45%	Natur	UD

Mechanical Properties

Tensile Strength - X_T	Compressive Strength - X_C	In-Plane Shear Strength - S_{12}	Young's Modulus - E_{11}	In-Plane Shear Modulus - G_{12}	Poisson's Ratio - ν_{12}
ASTM D3039	ASTM D3410	ASTM D4255	ASTM D3039	ASTM D4255	ASTM D3039
106.59 MPa	46.54 MPa	23.00 MPa	6060.66 MPa	1124.45 MPa	0.3661

Thermal Properties

Coefficient of expansion - α	Heat Emission - Q_{hm}	Heat Release Rate - HRR	Glass Transition Temperature - T_g	Melting Temperature - T_m	Vicat Softening Temperature - T_v
ASTM D696	ISO 13927	ISO 13927	ASTM D3417	ASTM D3418	ASTM D1525
$8.5 \cdot 10^{-5} \cdot K^{-1}$	26.8 ± 2 MJ	127 ± 4 KW/m ²	60-63 °C	145-155 °C	60 °C

Other Properties

Flame retardant	This material has been certified by ISO 4589-1, ISO 5660-1, ISO 9772, ISO 9773 and UL94 v0				
Good barrier properties for O ₂ , Aqua	WVTR	[g/m ² /day]	~172	ASTM F1249, ISO 15106-2 ASTM D3985, ISO 15105-2	
	OTR	[ml/m ² /24hour]	~500		

Recommended Applications



Wall panel



Furniture



Automotive Industry



Technical application



Construction



Sport equipment

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