



ESTIMATED LAMINATE DATA

SAP No. 30017116 Article Description X-S-E-864g/m²-1270mm / E-BXM 1708
 Textile Structure 7011470 SAERTEX®

	PROPERTIES	UNIT	INFUSION	OPEN MOLD
General	Density Cured Ply (ρ)	g/cm ³	1.85	1.56
	Thickness Cured Ply	mm	0.69	1.17
	Fiber Volume Content	%	48	28
Elasticity	Tensile Young's Modulus (E_{11})	GPa	21.6 / (11.9)*	13.0 / (7.2)*
	Tensile Young's Modulus (E_{22})	GPa	21.6 / (11.9)*	13.0 / (7.2)*
	Poisson's Ratio (ν_{12})	-	0.15	0.16
	Shear Modulus (G_{12})	MPa	3886	2337

	PROPERTIES	UNIT	INFUSION	OPEN MOLD
General	Density Cured Ply (ρ)	oz/in ³	1.07	0.90
	Thickness Cured Ply	in	0.03	0.05
	Fiber Volume Content	%	48	28
Elasticity	Tensile Young's Modulus (E_{11})	Msi	3.1 / (1.7)*	1.9 / (1.0)*
	Tensile Young's Modulus (E_{22})	Msi	3.1 / (1.7)*	1.9 / (1.0)*
	Poisson's Ratio (ν_{12})	-	0.15	0.16
	Shear Modulus (G_{12})	ksi	564	339

*Value in fiber direction / value in brackets = value in global coordinate

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