



ESTIMATED LAMINATE DATA

SAP No.	30005057	Article Description	X-E-832q/m²-1270mm / E-BX 2400
Textile Structure	7002538	SAERTEX®	

	PROPERTIES	UNIT	INFUSION	OPEN MOLD
General	Density Cured Ply (ρ)	g/cm ³	1.93	1.66
	Thickness Cured Ply	mm	0.59	0.91
	Fiber Volume Content	%	54	35
Elasticity	Tensile Young's Modulus (E_{11})	GPa	27.9 / (12.7)*	18.8 / (8.6)*
	Tensile Young's Modulus (E_{22})	GPa	27.9 / (12.7)*	18.8 / (8.6)*
	Poisson's Ratio (ν_{12})	-	0.12	0.14
	Shear Modulus (G_{12})	MPa	4049.00	2755.00

	PROPERTIES	UNIT	INFUSION	OPEN MOLD
General	Density Cured Ply (ρ)	oz/in ³	1.12	0.96
	Thickness Cured Ply	in	0.02	0.04
	Fiber Volume Content	%	54	35
Elasticity	Tensile Young's Modulus (E_{11})	Msi	4.0 / (1.8)*	2.7 / (1.3)*
	Tensile Young's Modulus (E_{22})	Msi	4.0 / 1.8)*	2.7 / (1.3)*
	Poisson's Ratio (ν_{12})	-	0.12	0.14
	Shear Modulus (G_{12})	ksi	587	400

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

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