



## ESTIMATED LAMINATE DATA

SAP No. 30013783 Article Description X-C-410g/m<sup>2</sup>-1270mm / C-BX 1200  
 Textile Structure 7010159 SAERTEX®

	PROPERTIES	UNIT	INFUSION	OPEN MOLD
General	Density Cured Ply ( $\rho$ )	g/cm <sup>3</sup>	1.49	1.38
	Thickness Cured Ply	mm	0.43	0.64
	Fiber Volume Content	%	52	35
Elasticity	Tensile Young's Modulus ( $E_{11}$ )	GPa	63.9 / (12.9)*	44.0 / (8.3)*
	Tensile Young's Modulus ( $E_{22}$ )	GPa	63.9 / (12.9)*	44.0 / (8.3)*
	Poisson's Ratio ( $\nu_{12}$ )	-	0.03	0.04
	Shear Modulus ( $G_{12}$ )	MPa	3524	2345

	PROPERTIES	UNIT	INFUSION	OPEN MOLD
General	Density Cured Ply ( $\rho$ )	oz/in <sup>3</sup>	0.86	0.80
	Thickness Cured Ply	in	0.02	0.03
	Fiber Volume Content	%	52	35
Elasticity	Tensile Young's Modulus ( $E_{11}$ )	Msi	9.3 / (1.9)*	6.4 / (1.2)*
	Tensile Young's Modulus ( $E_{22}$ )	Msi	9.3 / (1.9)*	6.4 / (1.2)*
	Poisson's Ratio ( $\nu_{12}$ )	-	0.03	0.04
	Shear Modulus ( $G_{12}$ )	ksi	511	340

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

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