



## ESTIMATED LAMINATE DATA

<b>SAP No.</b>	<b>30015084</b>	<b>Article Description</b>	<b>X-C-634g/m<sup>2</sup>-1270mm / C-BX 1800</b>
<b>Textile Structure</b>	<b>7009749</b>	<b>SAERTEX®</b>	

	PROPERTIES	UNIT	INFUSION	OPEN MOLD
General	Density Cured Ply ( $\rho$ )	g/cm <sup>3</sup>	1.49	1.38
	Thickness Cured Ply	mm	0.67	0.99
	Fiber Volume Content	%	52	35
Elasticity	Tensile Young's Modulus ( $E_{11}$ )	GPa	64.0 / (12.5)*	44.0 / (8.2)*
	Tensile Young's Modulus ( $E_{22}$ )	GPa	64.0 / (12.5)*	44.0 / (8.2)*
	Poisson's Ratio ( $\nu_{12}$ )	-	0.02	0.03
	Shear Modulus ( $G_{12}$ )	MPa	3453	2297

	PROPERTIES	UNIT	INFUSION	OPEN MOLD
General	Density Cured Ply ( $\rho$ )	oz/in <sup>3</sup>	0.86	0.80
	Thickness Cured Ply	in	0.03	0.04
	Fiber Volume Content	%	52	35
Elasticity	Tensile Young's Modulus ( $E_{11}$ )	Msi	9.3 / (1.8)*	6.4 / (1.2)*
	Tensile Young's Modulus ( $E_{22}$ )	Msi	9.3 / (1.8)*	6.4 / (1.2)*
	Poisson's Ratio ( $\nu_{12}$ )	-	0.02	0.03
	Shear Modulus ( $G_{12}$ )	ksi	501	333

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

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