



## ESTIMATED LAMINATE DATA

SAP No. 30017118 Article Description Q-E-1246g/m<sup>2</sup>-1270mm / E-QX 3600  
 Textile Structure 7011466 SAERTEX®

|            | PROPERTIES                           | UNIT              | INFUSION | OPEN MOLD |
|------------|--------------------------------------|-------------------|----------|-----------|
| General    | Density Cured Ply ( $\rho$ )         | g/cm <sup>3</sup> | 1.93     | 1.66      |
|            | Thickness Cured Ply                  | mm                | 0.88     | 1.36      |
|            | Fiber Volume Content                 | %                 | 54       | 35        |
| Elasticity | Tensile Young's Modulus ( $E_{11}$ ) | GPa               | 22.2     | 15.0      |
|            | Tensile Young's Modulus ( $E_{22}$ ) | GPa               | 21.7     | 14.6      |
|            | Poisson's Ratio ( $\nu_{12}$ )       | -                 | 0.31     | 0.33      |
|            | Shear Modulus ( $G_{12}$ )           | MPa               | 8117     | 5437      |

|            | PROPERTIES                           | UNIT               | INFUSION | OPEN MOLD |
|------------|--------------------------------------|--------------------|----------|-----------|
| General    | Density Cured Ply ( $\rho$ )         | oz/in <sup>3</sup> | 1.12     | 0.96      |
|            | Thickness Cured Ply                  | in                 | 0.03     | 0.05      |
|            | Fiber Volume Content                 | %                  | 54       | 35        |
| Elasticity | Tensile Young's Modulus ( $E_{11}$ ) | Msi                | 3.2      | 2.2       |
|            | Tensile Young's Modulus ( $E_{22}$ ) | Msi                | 3.1      | 2.1       |
|            | Poisson's Ratio ( $\nu_{12}$ )       | -                  | 0.31     | 0.33      |
|            | Shear Modulus ( $G_{12}$ )           | ksi                | 1177     | 789       |

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