



## ESTIMATED LAMINATE DATA

SAP No. 30015944 Article Description B-C-416g/m<sup>2</sup>-1270mm / C-LT 1200

Textile Structure 7011063 SAERTEX®

|            | PROPERTIES                           | UNIT              | INFUSION | OPEN MOLD |
|------------|--------------------------------------|-------------------|----------|-----------|
| General    | Density Cured Ply ( $\rho$ )         | g/cm <sup>3</sup> | 1.49     | 1.38      |
|            | Thickness Cured Ply                  | mm                | 0.44     | 0.65      |
|            | Fiber Volume Content                 | %                 | 52       | 35        |
| Elasticity | Tensile Young's Modulus ( $E_{11}$ ) | GPa               | 64.2     | 44.1      |
|            | Tensile Young's Modulus ( $E_{22}$ ) | GPa               | 64.2     | 44.1      |
|            | Poisson's Ratio ( $\nu_{12}$ )       | -                 | 0.02     | 0.03      |
|            | Shear Modulus ( $G_{12}$ )           | MPa               | 3292     | 2230      |

|            | 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      | 6.4       |
|            | Tensile Young's Modulus ( $E_{22}$ ) | Msi                | 9.3      | 6.4       |
|            | Poisson's Ratio ( $\nu_{12}$ )       | -                  | 0.02     | 0.03      |
|            | Shear Modulus ( $G_{12}$ )           | ksi                | 477      | 323       |

This data is offered for informational purposes only. The results contained in this report are based on calculated data with an epoxy matrix. We believe that this information is reliable, but do not guarantee its applicability to the user's process or assume any liability arising out of its use or performance. The user, by accepting the products described, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production. It is important for the user to determine the properties of their own commercial product when using this or any other reinforcement.

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Version 0 - July 2026

SAERTEX USA, LLC. Has been certified in accordance with ISO 9001:2015

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