Flexile™ PET LM

Flexile™ PET LM is a modified Polyethylene Terephthalate thermoplastic composite material used for composite applications where lower processing temperatures are desired. PET LM (low melt) version has a melt point of 185°C and can be processed at temperatures under 200°C.

Flexile™ PET LM composite material can be supplied in a biaxial fabric form, as a unidirectional product, and as a multilayer, multidirectional pre-plied fabric. Multilayer and multidirectional products can be supplied in widths up to 95 inches (2.4 meters). Two dimensional and unidirectional products can be supplied in widths up to 195 inches (5 meters).

**Neat Resin Properties**

- **Melt Point**............................... 365°F (185°C)
- **Specific Gravity**....................... 1.38
- **Processing Temperature**........... 383°F (195°C)
- **Moisture Absorption (23°C/Sat.)**.. <0.7%
- **Tensile Strength**..................... 11.6 ksi (80.0 MPa)
- **Tensile Modulus**..................... 0.43 Msi (3.00 GPa)
- **Elongation at Yield**.................. 6.7%
- **Flexural Strength**................... 15.0 ksi (103.4 MPa)
- **Flexural Modulus**................... 0.4 Msi (2.76 GPa)

For more information, data, samples and pricing contact:

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