

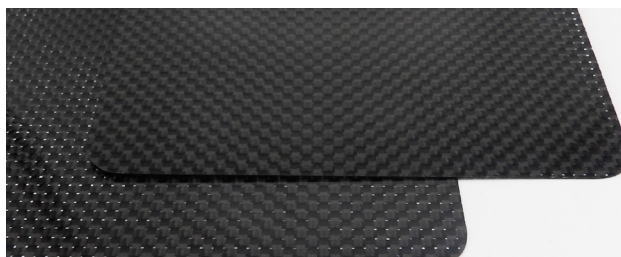
PRODUCT DATA SHEET

DESCRIPTION

Toray PMC CFRT® (SL-2000), also known as SuperLam, is a reinforced thermoplastic composite laminate. It blends the benefits of a thermoplastic polymer matrix with woven carbon fibers in a twill or plain weave for enhanced performance. The SL-2000/SuperLam style laminate is available in a single-layer product that is ultra-thin, lightweight, and resilient for improved energy return.

FEATURES

- › Twill or plain weave of 3K carbon fibers
- › Lightweight, thin, single layer
- › Available in natural black (carbon) color



PRODUCT TYPE AND COMPOSITION

Carbon (3k) fiber content: 12%
thermoplastic polyurethane resin: 88%
(Noted: Percentages are by volume and are nominal values)

TYPICAL APPLICATIONS

- › Footwear
- › Skates

SHELF LIFE

Stable indefinitely at 25°C (77°F)

Materials must be dried prior to heating and thermoforming.
Please refer to the TPMC Processing Instructions.

MATERIAL PARAMETERS

Specific Gravity	1.29 g/cc
Thickness	0.25 mm (0.01 inches) nominal
Size	Cut to customer specifications from sheet of 91 x 122 cm (36 x 48 inches)
Standard Colors	Natural Black (carbon)
Forming Temperature	195°C to 200°C (383°F–392°F)
Bonding Temperature	55°C to 60°C (131°F–140°F)