

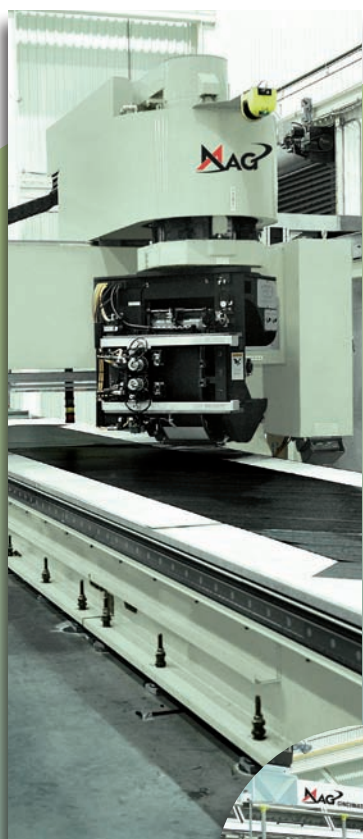
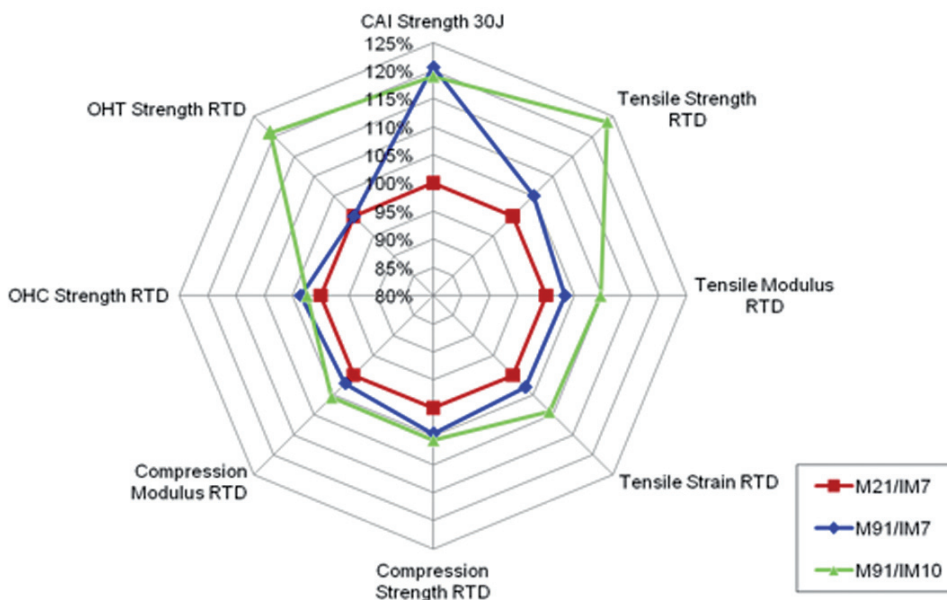
HexPly® M91 Superior Performance UD Prepreg for Aerospace Primary Structures

HexPly® M91 is the very latest aerospace primary structure prepreg from Hexcel. With excellent toughness including very high residual compression after impact (CAI), HexPly® M91 can meet the ever growing needs of aerospace OEMs to manufacture lighter, faster and more efficient aircraft.

In addition to excellent toughness, HexPly® M91 - in combination with HexTow® fiber - demonstrates improved tensile performance, both for intermediate modulus and high strength carbon fiber. Outstanding performance is achieved when combined with HexTow® IM10 fiber. Good hot hot-wet properties up to 120°C (250°F) are obtained.

HexPly® M91 prepreg has been specifically designed for automated processing and is particularly suited for both automated tape laying (ATL) and advanced fiber placement (AFP). Good tack life and out-life provide flexibility on the shop floor and low exotherm behaviour allows simple cures of thick monolithic structures up to 70mm (2.76”).

Outstanding all-round prepreg performance with HexPly® M91



Photos courtesy of MAG Cincinnati



Future "Black" planes, built with HexPly® UD carbon prepregs