

Advances in GMT Composite Materials & Applications

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Abstract

GMT (Glass Mat Thermoplastic) materials have been associated with many innovative composite applications. The ability to mold “long fiber,” high strength/impact thermoplastic-based composites has led to many metal-replacing applications. Since 1970, GMT automotive GOR’s, load floors, bumper beams, IP’s, seat structures, battery trays, underbody skid plates, covers & shields have been validated and commercialized on vehicles built around the world. Of particular interest are the developments in chopped fiber GMT’s, low density GMT’s, the use of GMT’s as sandwich panel structures, and thermoform processing of GMT’s.