

## Market and Product Matrix

The following table shows the processes and products commonly used in each of the principal markets for glass fiber reinforcements:

MARKETS	PROCESSES	PRODUCTS
Aerospace	Compression, infusion & injection molding, preforming, reaction injection molding (RIM) & resin transfer molding (RTM)	FliteStrand <sup>®</sup> high-performance reinforcements
Automotive	Injection & compression molding, SMC, BMC, RIM & RTM, LFI & muffler filling	Chopped strands, single-end roving (Type 30 <sup>®</sup> roving) for long-fiber thermoplastics, Silentex <sup>®</sup> thermal & noise control solutions, Twintex <sup>®</sup> co-mingled glass & thermoplastic fiber, veil & specialty non-woven mat, wet-formed mat, & Multimat <sup>®</sup> , Multimat <sup>®</sup> Lite, Multicore <sup>®</sup> & Flowtex <sup>®</sup> fabrics
Buildings	Continuous lamination, SMC, BMC, infusion molding, pultrusion & spray-up, glass fiber-reinforced concrete (GRC)	CFM, veil, wet-use chopped strands, veil & specialty non-woven mat, wet-formed mat, Twintex <sup>®</sup> co-mingled glass & thermoplastic fiber, Cem-FIL <sup>®</sup> fiber solutions for flooring, dry mix mortars & pre-cast elements, & Multimat <sup>®</sup> , Multimat <sup>®</sup> Lite, Multicore <sup>®</sup> & Flowtex <sup>®</sup> fabrics

MARKETS	PROCESSES	PRODUCTS
Consumer Goods	Injection & compression molding, BMC, filament winding, hand lay-up, pultrusion, RIM, RTM & spray-up	Chopped strands, continuous filament mat (CFM), pultrusion & electrical CFM, single-end roving & veil, specialty non-woven mat, Twintex <sup>®</sup> co-mingled glass & thermoplastic fiber, XStrand <sup>®</sup> high-performance reinforcements & fabrics, & Multimat <sup>®</sup> , Multimat <sup>®</sup> Lite, Multicore <sup>®</sup> & Flowtex <sup>®</sup> fabrics
Defense & Security		ShieldStrand <sup>®</sup> high-performance reinforcements & fabrics
Electronics	Continuous lamination, injection molding & RIM	Closed-mold roving, wet-formed mat, pultrusion & electrical CFM, & Multimat <sup>®</sup> , Multimat <sup>®</sup> Lite, Multicore <sup>®</sup> & Flowtex <sup>®</sup> fabrics
Heavy Transportation	Compression molding, continuous lamination, hand lay-up, preforming, pultrusion, RTM & spray-up	Wet-formed mat, chopped strand mat (CSM), chopped strands, closed-mold roving, molding & general purpose CFM, panel roving, single-end roving, Twintex <sup>®</sup> co-mingled glass & thermoplastic fiber, & Multimat <sup>®</sup> , Multimat <sup>®</sup> Lite, Multicore <sup>®</sup> & Flowtex <sup>®</sup> fabrics
Infrastructure	Centrifugal casting, filament winding, pultrusion, spray-up & hand lay-up	CSM, fabrics, non-woven surfacing veils, pultrusion & electrical CFM, single-end roving, TruPave <sup>®</sup> paving mat & woven fabrics
Marine	Cold press molding, hand lay-up, infusion molding, RTM, spray-up & vacuum bagging	CSM, CFM, multi- & single-end roving, surfacing veils, knitted & woven fabrics, Twintex <sup>®</sup> co-mingled glass & thermoplastic fiber, & Multimat <sup>®</sup> , Multimat <sup>®</sup> Lite, Multicore <sup>®</sup> & Flowtex <sup>®</sup> fabrics

MARKETS	PROCESSES	PRODUCTS
Sports & Recreation	Cold press molding, filament winding, infusion molding, preforming, pultrusion, RTM & spray-up	CSM, chopped strands, single-end roving, pultrusion & electrical CFM, surfacing veils, knitted & woven fabrics, Twintex <sup>®</sup> co-mingled glass & thermoplastic fiber, & XStrand <sup>®</sup> high-performance reinforcements, & Multimat <sup>®</sup> , Multimat <sup>®</sup> Lite, Multicore <sup>®</sup> & Flowtex <sup>®</sup> fabrics
Wind Energy	Hand lay-up, vacuum infusion, preforming, pultrusion, RTM, spray-up & vacuum bagging	CFM, knitted & woven fabrics, direct single-end roving, surfacing veils, veil, specialty non-woven mat, Twintex <sup>®</sup> co-mingled glass & thermoplastic fiber & WindStrand <sup>®</sup> high-performance reinforcements