

THERMOSET PREPREG SYSTEMS					Processes			Features				Market Segments				
Resin Name	Max Tg [°C, DSC]	Cure Temperature Range [°C]	Typical Cure Cycle	Shelf Life	Autoclave	Press Moulding	VBO/0oA	Toughened	Flame retardant	Cosmetic	High Temperature	Aerostructures	Aircraft Interiors	Industrial	Marine	Tooling
EP10ST Good Finish	130	90-150	1h @120°C	30 days @ 20°C 12 months @ -18°C	▼	▼	▼			▼				▼	▼	
EP20TU Structural	125	90-140	1h @ 120°C	30 days @ 20°C 12 months @ -18°C	▼	▼	▼	▼				▼		▼	▼	
EP30FR Flame Retardant	135	90-145	1h @ 120°C	30 days @ 20°C 12 months @ -18°C	▼		▼		▼	▼			▼	▼		
EP32FR Flame Retardant	150	120-150	1h @ 135°C	30 days @ 20°C 12 months @ -18°C	▼		▼	▼	▼	▼	▼	▼	▼	▼		
EP40TP Tooling	195	70-180	8 h @ 70°C + Post cure	15 days @ 20°C 12 months @ -18°C	▼						▼					▼
EP42TP Tooling	225	70-200	5 h @ 70°C + Post cure	30 days @ 20°C 12 months @ -18°C	▼		▼				▼					▼
EP50HT Structural high Tg	145	110-150	1h @ 135°C 15min @ 150°C (PCM)	30 days @ 20°C 12 months @ -18°C	▼	▼				▼	▼	▼		▼		
EP51HT* Space Grade	218	135-200	2h @ 180°C + Post cure (optional)	30 days @ 20°C 12 months @ -18°C	▼			▼			▼	▼				
EP52HT Very High Tg	232	130-220	2.5h @ 180°C + Post cure (optional)	30 days @ 20°C 12 months @ -18°C	▼			▼			▼	▼		▼		
EP53HT High Tg Cosmetic	150	130-160	60min@140°C	30 days @ 20°C 12 months @ -18°C	▼					▼	▼			▼		
EP54HT High Tg Cosmetic	140	130-150	15min @ 150°C (PCM)	30 days @ 20°C 12 months @ -18°C	▼	▼	▼			▼	▼			▼		
EP60FC Snap Curing	150	130-160	4 min @ 150°C 10 min @ 135°C	20 days @ 20°C 12 months @ -18°C	▼	▼				▼	▼			▼		
EP62FC Fast Curing	135	80-135	10 min @ 135°C 30 min @ 120°C 360 min @ 80°C	30 days @ 20°C 12 months @ -18°C	▼	▼	▼			▼				▼	▼	
EP70CL Highly Cosmetic	110	90-135	1h @ 120°C	30 days @ 20°C 12 months @ -18°C	▼		▼			▼				▼	▼	
EP71CL VBO Cosmetic	115	90-135	3h @ 90°C + 1h @ 130°C	30 days @ 20°C 12 months @ -18°C	▼		▼	▼		▼				▼	▼	
CN10 Cyanate-Ester	380	125-150	30 min @ 95°C + 2h @ 135°C + Post cure	30 days @ 20°C 12 months @ -18°C	▼	▼	▼		▼		▼	▼	▼	▼	▼	
CN20 Modified CE	285	160-200	90 min @ 160°C + 4h @ 200°C + Post cure	30 days @ 20°C 12 months @ -18°C	▼	▼	▼		▼		▼	▼	▼	▼	▼	▼

* Low outgassing System according to ECSS-Q-ST-70-02C

RECYCLED CARBON SOLUTIONS – 100-350 g/m² Non-woven fabrics

Product Name	Max Tg [°C, DSC]	Cure Temperature Range [°C]	Typical Cure Cycle	Shelf Life												
TNT-11ST	135	90-150	1h @120°C	30 days @ 20°C 12 months @ -18°C	▼	▼				▼				▼	▼	
TNT-31FR	135	90-145	1h @ 120°C	30 days @ 20°C 12 months @ -18°C	▼				▼	▼			▼	▼		
TNT-61FC	150	130-160	4 min @ 150°C 10 min @ 135°C	30 days @ 20°C 12 months @ -18°C	▼	▼				▼	▼			▼		
TNT-41TP	195	70-180	8 h @ 70°C + Post cure	30 days @ 20°C 12 months @ -18°C	▼						▼					▼