

RESIN SYSTEMS FOR CARBON FIBER UD TAPES AND FABRICS					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	130	90-150	1h @120°C	30 days @ 20°C 12 months @ -18°C	▼	▼				▼	
EP20TU	125	90-140	1h @ 120°C	30 days @ 20°C 12 months @ -18°C	▼	▼	▼	▼				▼		▼	▼	
EP30FR	135	90-145	1h @ 120°C	30 days @ 20°C 12 months @ -18°C	▼				▼	▼			▼	▼		
EP32FR	150	120-150	1h @ 135°C	30 days @ 20°C 12 months @ -18°C	▼			▼	▼	▼			▼	▼		
EP40TP	195	70-180	8 h @ 70°C + Post cure	15 days @ 20°C 12 months @ -18°C	▼						▼					▼
EP42TP	225	70-200	5 h @ 70°C + Post cure	30 days @ 20°C 12 months @ -18°C	▼						▼					▼
EP50HT	145	110-150	1h @ 135°C 15min @ 150°C (PCM)	30 days @ 20°C 12 months @ -18°C	▼	▼				▼	▼	▼		▼		
EP51HT	218	135-200	2h @ 180°C + Post cure (optional)	30 days @ 20°C 12 months @ -18°C	▼			▼			▼	▼		▼		
EP52HT	232	130-220	2.5h @ 180°C + Post cure (optional)	30 days @ 20°C 12 months @ -18°C	▼			▼			▼	▼		▼		
EP53HT	150	130-160	60min@140°C	30 days @ 20°C 12 months @ -18°C	▼	▼				▼	▼			▼		
EP54HT	140	130-150	15min @ 150°C (PCM)	30 days @ 20°C 12 months @ -18°C	▼	▼		▼		▼	▼			▼		
EP60FC	150	130-160	4 min @ 150°C 10 min @ 135°C	20 days @ 20°C 12 months @ -18°C	▼	▼				▼	▼			▼		
EP70CL	110	90-135	1h @ 120°C	30 days @ 20°C 12 months @ -18°C	▼					▼				▼	▼	
EP71CL	115	90-135	3h @90°C + 1h @ 130°C	30 days @ 20°C 12 months @ -18°C	▼		▼			▼				▼	▼	

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	▼						▼					▼