

CARBON FIBER PREPREG SYSTEMS

RESIN	CURING CYCLE				Tg (°C)	shelf life	
	pressure (bar)	temperature (°C)	time	post-curing		at 23°C (days)	at -18 °C (months)
ET222 epoxy	2 - 7	125	30'	no	120	7	12
		80	7 h	no	90		
		80	14 h	no	70		
EF 431 epoxy	2 - 7	125	90'	no	90-100	30	12
ET 223 epoxy	vacuum - 7	125	40'	no	130	21	12
		85	14 h		110		
REM epoxy	2 - 7	125	60'	no	110-120	30	12
ET 443 epoxy	2 - 7	125	60'	no	145	30	12
EU 336 epoxy	2 - 7	125	60'	no	120	30	12
EU 334 epoxy	2 - 7	125	60'	no	125	30	12
REF T epoxy	2 - 7	170	3h	no	>180	21	12
	2 - 7	150	8h	required			
ES 253 epoxy	7	60	6h	required	>180	5	12
FF 562 phenolic	2 - 5	135	70'	no	>180	30	12
EC551 epoxycyanate	1 - 3	140	1 h	required	300	30	12
CE662 cyanate ester	1 - 3	125	2 h	required	370	30	12
		140	1 h				

	Main features	applications	self extinguish
ET222 epoxy	low curing temperature	general purpose low temperature systems	no
EF 431 epoxy	fire resistant	interior parts for automotive and aeronautics	ABD0031 Issue A FAR 25.853
ET 223 epoxy	medium curing temperature	automotive, sporting goods, marine, industrial	no
REM epoxy	general purpose thermosetting system	wide range of application	no
ET 443 epoxy	good surface finish	automotive, sport, marine	no
EU 336 epoxy	for carbon UD	sporting goods	no
EU 334 epoxy	for carbon UD high modulus (HM)	sporting goods	no
REF T epoxy	high Tg system	automotive, sport, health devices	no
ES 253 epoxy	high Tg, satisfactory surface finish	moulds systems	no
FF 562 phenolic	self-extinguish	interior parts for automotive and aeronautics	FAR 25.853
EC551 epoxycyanate	high Tg system	automotive, sport, health devices	no
CE662 cyanate ester	high Tg system	automotive, sport, health devices	no