

Parameter	System	
System	<i>4SPACE tosedo-9</i>	<i>4SPACE tosedo -10</i>
Neat resin - uncured		
Chemistry	Epoxy system	Epoxy system
	Suitable for carbon fiber with epoxy sizing	Suitable for carbon fiber with epoxy sizing
	No limitations regarding ITAR and REACHY	No limitations regarding ITAR and REACH
Composition	3K	2K
Shelf life	min 12 months at RT for hardener (and accelerator) and 24 months at RT for resin	min 12 months at RT for hardener (and accelerator) and 24 months at RT for resin
Mixing viscosities at 50 °C	50 mPa·s	59 mPa·s
Pot Life at 50 °C	7.3 h	6.5 h
Curing temperature	130	130
Curing time **	13 h	13 h
Low volume curing shrinkage	4.2 %	5.2 %
	10.8 %	8.7 %
Tensile strength	82 MPa	85 MPa
Tg	121 °C	123 °C
Operating temperature	Minimally -20 up to +80 °C	Minimally -20 up to +80 °C
Outgassing	RML = 0.2 % CVCM = 0 % TML = 0.7 %	RML = 0.0 % CVCM = 0 % TML = 0.5 %
Moisture absorption (wet climate: 80 °C at 95 % RH)	0.68	0.57
Cured composite systems		
Interlaminar fracture toughness mode I _c	494	416
Interlaminar fracture toughness mode II _c	2140	2033
Storage life of cured material/part	The humidity aging was accelerated at 80 °C to equilibrium value of weight increase Negligible change in monitored properties were observed.	