

LTM® 13

Epoxy; Epoxide

Cytec Industries Inc.

Message:

LTM® prepregs are proprietary low temperature cure, epoxide based resin systems that may be post-cured to produce high temperature composite tools.

LTM13 compliments the LTM10 series by offering a cost effective mould tooling system with a low temperature, 30°C (86°F), initial cure capability and a final end use temperature after suitable post-cure of 180°C (356°F).

General Information		
Filler / Reinforcement	Carbon Fiber	
	Glass Fiber	
Features	Good Thermal Aging Resistance	
	High Heat Resistance	
	Low CLTE	
	Low Shrinkage	
Uses	Tooling	
Forms	2x2 Twill Prepreg	
Physical	Nominal Value	Unit
Shrinkage		
-- ¹	0.12	%
-- ²	0.050	%
Thermal	Nominal Value	Unit
Glass Transition Temperature ³	180	°C
CLTE - Flow		
-- ⁴	2.0E-6 to 3.0E-6	cm/cm/°C
-- ⁵	1.0E-5 to 1.2E-5	cm/cm/°C
NOTE		
1.	Glass Tool	
2.	Carbon Tool	
3.	Fully Post-Cured (TMA)	
4.	Carbon Tool	
5.	Glass Tool	

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