

LTM® 318-1B

Epoxy; Epoxide

Cytec Industries Inc.

Message:

LTM® 318-1B is a matrix system developed for the production of 180°C (356°F) capable tooling using oven vacuum bag processing. LTM318-1B offers a 65°C (149°F) initial cure capability, long out life and, after post-cure, resistance to thermal cycling to 180°C (356°F). LTM318-1B used in conjunction with LTF318B ZPREG® selective impregnation technology surface films offers new possibilities for the manufacture of cost-effective, high quality composite mould tools.

General Information		
Filler / Reinforcement	Carbon Fiber Glass Fiber	
Features	Good Surface Finish Good Thermal Aging Resistance Heat Cure Low CLTE Low Shrinkage	
Uses	Tooling	
Processing Method	Vacuum Forming	
Physical	Nominal Value	Unit
Specific Gravity ¹	1.25	g/cm ³
Thermal	Nominal Value	Unit
Glass Transition Temperature		
-- ²	80.0	°C
-- ³	210	°C
CLTE - Flow ⁴	2.9E-6 to 3.4E-6	cm/cm/°C
NOTE		
1.	Cured resin	
2.	DMA E' onset, 16 hours at 65°C (149°F)	
3.	DMA E' onset, Post-cured at 15 minutes at 200°C (392°F) + 8 hours at 190°C (374°F)	
4.	Carbon	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

