

Cytec XMTM54FRB

Epoxy; Epoxide
Cytec Industries Inc.

Message:

XMTM54FRB (EF4511) is a black pigmented, flame-retarded, 120°C curing epoxy resin matrix. This resin has been specifically designed for use in the DForm® product format and is particularly suited to the automotive industry for both structural and body panel applications. XMTM54FRB (EF4511) is suitable for autoclave and press moulding processes. After an optional post-cure, this material can generate a glass transition temperature of 150°C.

General Information	
Filler / Reinforcement	Aramid Fiber
	Carbon Fiber
	Glass Fiber
Features	Autoclavable
	Fast Cure
	Flame Retardant
	Heat Cure
Uses	Automotive Applications
	Reinforced Panels
	Structural Parts
Appearance	Black
Forms	Fabric
Processing Method	Press Molding
	Vacuum Forming

Physical	Nominal Value	Unit
Specific Gravity ¹	1.25	g/cm ³
Thermal	Nominal Value	Unit
Glass Transition Temperature		
-- ²	125	°C
-- ³	150	°C

NOTE	
1.	Cured resin
2.	DMA E' onset Tg, 1 hour at 120°C (248°F), dry
	DMA E' onset Tg, 1 hour at 120°C (248°F) + 2 hours at 150°C (302°F), dry
3.	

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Recommended distributors for this material

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

