

Cytec VTS243FR

Epoxy; Epoxide

Cytec Industries Inc.

Message:

VTS243FR is a black-pigmented, flame-retarded, epoxy syntactic-core film capable of initial cure temperatures between 65 and 150°C (149 and 302°F). Following post-cure, a Tg of at least 160°C (320°F) can be achieved. The material is formulated for co-cure with the VTM®240 series of prepregs and VTF242FRB surfacing film.

VTS243FR is self-extinguishing when tested to IS03795/FMVS302. It is used as a core material to provide rigidity in thin planar components and is a key component in the BPS240 format 1 and format 2 body panel systems. In this form, VTS243FR is supplied attached to a structural fabric, into which it will infuse during cure.

It can also be supplied in sheet form with a lightweight support scrims for general purpose use in constant thickness composite sandwich constructions.

General Information		
Filler / Reinforcement	Carbon Fiber Glass Fiber	
Features	Flame Retardant Heat Cure High Heat Resistance Self Extinguishing	
Uses	Automotive Applications Structural Parts	
Appearance	Black	
Forms	Fabric Film	
Processing Method	Vacuum Forming	
Physical	Nominal Value	Unit
Specific Gravity ¹	0.950	g/cm ³
Thermal	Nominal Value	Unit
Glass Transition Temperature		
-- ²	123	°C
-- ³	163	°C
NOTE		
1.	Cured resin	
2.	DMA E' onset Tg, 1 hour at 120°C (248°F)	
3.	DMA E' onset Tg, Post-cure - 1 hour at 180°C (356°F)	

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Recommended distributors for this material

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