

MTM® 57 series

Epoxy; Epoxide
Cytec Industries Inc.

Message:

MTM57 series resins are toughened, 80 to 120°C (176 to 248°F) curing, epoxy matrices offering flexible processing and a range of handling characteristics. MTM57 series resins exhibit excellent toughness and, after a suitable cure, can be used at temperatures up to 90°C (194°F). Qualified to the Federal Motor Vehicle Safety standard no. 302 (flammability of motor vehicle interior materials), and to ISO 3795:1989 (determination of burning behaviors of interior materials for motor vehicles) — when reinforced with 3k carbon fabrics.

General Information	
Filler / Reinforcement	Aramid Fiber
	Carbon Fiber
	Glass Fiber
Features	Autoclavable
	Good Toughness
	Heat Cure
	Self Extinguishing
Uses	Aerospace Applications
	Automotive Applications
Agency Ratings	FAR 25.853
Forms	Fabric
Processing Method	Press Molding
	Vacuum Forming

Physical	Nominal Value	Unit
Specific Gravity ¹	1.19 to 1.38	g/cm ³
Thermal	Nominal Value	Unit
Glass Transition Temperature		
-- ²	100	°C
-- ³	125	°C

NOTE	
1.	Cured resin
2.	DMA E' onset Tg, 12 hours at 80°C (176°F), dry
3.	DMA E' onset Tg, 1 hour at 120°C (248°F), dry

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Recommended distributors for this material

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