

Hetron™ F 640 TF

Thermoset Polyester

Ashland Performance Materials

Message:

HETRON F 640 TF is a flame retardant based on unsaturated polyester resin containing mineral fillers. It is a halogen and antimony free resin. HETRON F 640 TF resin is thixotropic, non accelerated and the colour is white.

Application and use

HETRON F 640 TF resin can be used in hand lay-up and and spray-up applications. The resin is particularly recommended for finished products where very good fire retardancy and low smoke toxicity and opacity are required, e.g. construction (sanitary...), and transport (trains underground/subway).

General Information			
Filler / Reinforcement	Mineral		
Features	Antimony Free		
	Flame Retardant		
	Halogen Free		
	Thixotropic		
Uses	Construction Applications		
Appearance	White		
Forms	Liquid		
Processing Method	Hand Lay-up		
Physical	Nominal Value	Unit	Test Method
Solution Viscosity ¹	1400	mPa · s	
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	45		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Strain (Break)	1.0	%	ISO 527-2
Flexural Modulus	4500	MPa	ISO 178
Flexural Stress	50.0	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	70.0	°C	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	45	%	ISO 4589-2
Uncured Properties	Nominal Value	Unit	
Gel Time	16	min	
NOTE			
1.	Brookfield RV2, 20 rpm		

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