

Hetron™ 197

Thermoset Polyester
Ashland Performance Materials

Message:

HETRON 197 resin is a non-thixotropic, unpromoted, halogenated, flame retardant") clear polyester. HETRON 197 resin may be used for closed molding applications. HETRON 197 resin can be formulated into other HETRON resins of the 197 series (except HETRON 197AT resin) with the addition of styrene, thixotrope agents or promoters.

- Excellent corrosion resistance to acidic and other oxidizing environments
- High heat resistance - gases and vapor to 177°C (350°F)
- Excellent strength retention at elevated temperatures
- Good fire retardancy - Has met ASTM E-84 Class II rating with 5% antimony trioxide

APPLICATIONS AND USE

Corrosion resistant fiberglass reinforced plastic equipment including press molded and pultruded pipe, flanges, fittings, pumps, pump housings, mist eliminator blades and other equipment handling corrosive gases, vapors or liquids.

General Information			
Features	Acid Resistant		
	Flame Retardant		
	Good Corrosion Resistance		
	Halogenated		
	High Heat Resistance		
	Oxidation Resistant		
Uses	Fittings		
	Piping		
	Pump Parts		
Appearance	Clear/Transparent		
Forms	Liquid		
Processing Method	Press Molding		
	Pultrusion		
Physical	Nominal Value	Unit	Test Method
Solution Viscosity ¹	2000	mPa · s	
Gardner Color	< 4.00		
Solids Content	69	%	
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	40		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3590	MPa	ASTM D638
Tensile Strength	41.4	MPa	ASTM D638
Tensile Elongation (Break)	1.3	%	ASTM D638
Flexural Modulus	3720	MPa	ASTM D790

Flexural Strength	79.3	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	140	°C	ASTM D648
NOTE			
1.	Brookfield #3 spindle @ 30 rpm		

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