

MERICAN® 30-200P

Vinyl Ester

Huachang Polymer Co., Ltd.

Message:

EPOXY VINYL ESTER RESIN (VARIM)

MERICAN® 30-200P is a low-viscosity, prepromoted, high performance epoxy vinyl ester resin. It owns excellent properties both in mechanical and processing, fatigue resistance. MERICAN 30-200P is suitable for Vacuum Infusion Process.

PROPERTY

Low-viscosity

Shorter geltime drift, good storage stability

Low peak exotherm, thick pieces can be formed at one time

Good curing properties, thoroughly curing for thin pieces

Excellent mechanical properties, good adhesion between laminates

Resistant to fatigue, aging and corrosion

APPLICATION

Suitable for the fabrication of composites products with high performance and complex structure, especially large windmill blades and yachts, etc.

Suitable for vacuum infusion process

General Information			
Features	Fatigue Resistant		
	Good Adhesion		
	Good Corrosion Resistance		
	Low Exotherm		
	Low Viscosity		
Uses	Compounding		
	Engineering Parts		
Appearance	Light Green		
Processing Method	Vacuum Forming		
Physical	Nominal Value	Unit	Test Method
Solids Content	52 to 56	%	
Thermal Stability (80°C)	> 2	day	
Gel Time (25°C)	> 2.0	hr	
Peak Exotherm ¹ (25°C)	80 to 130	°C	
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	40		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3400	MPa	ASTM D638
Tensile Strength	90.0	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	3400	MPa	ASTM D790
Flexural Strength	140	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed)	110	°C	ASTM D648
Thermoset	Nominal Value	Unit	
Thermoset Mix Viscosity (25°C)	100 to 200	cP	
NOTE			
1.	100 gm		

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