

MERICAN® -0293H

Polyester Alloy
Huachang Polymer Co., Ltd.

Message:

Polyester Resin For Polymer Concrete
MERICAN-0293H is an ORTHO type unsaturated polyester resin designed to make polymer concrete, offering excellent mechanical strength and curing properties.
PROPERTY
High reactivity
Good wet-out with fillers, low resin content, highly cost-effective
Excellent mechanical properties
Short gel time, fast post-curing
APPLICATION
Specially for making polymer concrete pipe, panel, tank, slot, flooring, decoration, etc

General Information			
Features	Fast Cure		
	High Reactivity		
	High Strength		
	Rapid Wetting		
Uses	Decorative Parts		
	Piping		
	Reinforced Panels		
	Tanks		
Appearance	Light Green		
Physical	Nominal Value	Unit	
Acid Value	20.00 to 28.00	mg KOH/g	
Solids Content	57 to 63	%	
Gel Time (25 to 35°C)	20.0 to 25.0	min	
Cure Time (> 25°C)	30.0 to 45.0	min	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3500	MPa	ASTM D638
Tensile Strength	72.0	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Strength	110	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	90.0	°C	ASTM D648
Thermoset	Nominal Value	Unit	
Thermoset Mix Viscosity (25°C)	300 to 400	cP	

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