

# MERICAN® 9150P

Polyester Alloy  
Huachang Polymer Co., Ltd.

Message:

MERICAN® 9150P is a prepromoted, low-viscosity orthophthalic unsaturated polyester resin, special designed for vacuum infusion and RTM process. It presents excellent mechanical properties, process performance.

PROPERTY

Low viscosity, excellent processing performance.

Excellent mechanical properties, strong adhesion between laminates.

Excellent fiberglass wet ability and easy roll.

Very low peak exotherm; Thick pieces can be formed at one time.

APPLICATION

High performance composite products, such as nacelle, tank, container, etc.

Can be used in RTM, light RTM, vacuum infusion process.

General Information			
Features	Good Adhesion		
	Low Exotherm		
	Low Viscosity		
	Orthophthalic		
	Rapid Wetting		
Uses	Containers		
	Tanks		
Appearance	Light Green		
Processing Method	Resin Transfer Molding		
	Vacuum Forming		
Physical	Nominal Value	Unit	Test Method
Solids Content	52 to 58	%	ISO 2884
Thermal Stability (80°C)	> 2	day	
Gel Time (25°C)	30.0 to 60.0	min	ISO 2535
Peak Exotherm	100 to 130	°C	
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	40		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3000	MPa	ASTM D638, ISO 527-2
Tensile Stress			
Yield	58.0	MPa	ISO 527-2
--	58.0	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638, ISO 527-2
Flexural Modulus	3200	MPa	ASTM D790, ISO 178

Flexural Strength	100	MPa	ASTM D790, ISO 178
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	70.0	°C	ASTM D648, ISO 75-2/A
Thermoset	Nominal Value	Unit	Test Method
Thermoset Mix Viscosity (25°C)	100 to 200	cP	ISO 2555

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

