

MERICAN® -9010

Polyester Alloy
Huachang Polymer Co., Ltd.

Message:

MERICAN-9010 is an ORTHO type unsaturated polyester resin, offering excellent mechanical properties and higher elongation.

APPLICATION

FRP car body, tank, pipelines, etc.
Can be used in filament winding, pultrusion, hand lay-up process.
Products fabricated with MERICAN-9010 have excellent strength and flexibility.

General Information			
Features	Good Flexibility		
	High Elongation		
	High Strength		
Uses	Automotive Exterior Parts		
	Piping		
	Tanks		
Appearance	Transparent - Slight Yellow		
Processing Method	Filament Winding		
	Hand Lay-up		
	Pultrusion		
Physical	Nominal Value	Unit	Test Method
Acid Value	18.00 to 23.00	mg KOH/g	
Solids Content	60 to 65	%	
Thermal Stability (80°C)	> 1	day	
Gel Time (25°C)	16.0 to 24.0	min	
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	40		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3650	MPa	ASTM D638
Tensile Strength	78.0	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	3740	MPa	ASTM D790
Flexural Strength	140	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	85.0	°C	ASTM D648
Thermoset	Nominal Value	Unit	
Thermoset Mix Viscosity (25°C)	400 to 500	cP	

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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

