

# MFE® 9503

Polyester Alloy  
Huachang Polymer Co., Ltd.

Message:

9503 terephthalic unsaturated polyester resin is researched and manufactured by Huachang Company on the basis of 9709 ORTHO type and 9406 ISO type unsaturated resins, the above-mentioned resins form the series products comprised of terephthalic type, ISO type and ORTHO type.

PROPERTY

9503 terephthalic unsaturated polyester resin is charactered by superior thermal resistance, solvent resistance and anticorrosion, inferior solidification shrinkage as well as exceptional mechanical performance.

APPLICATION

Applied to pultrusion and winding molding process

General Information			
Features	Good Corrosion Resistance		
	High Heat Resistance		
	Solvent Resistant		
	Terephthalic		
Appearance	Yellow		
Processing Method	Pultrusion		
Physical	Nominal Value	Unit	Test Method
Acid Value	12.00 to 20.00	mg KOH/g	Internal Method
Solids Content	59 to 65	%	
Thermal Stability (80°C)	> 1	day	
Gel Time (25°C)	10.0 to 18.0	min	Internal Method
Cobalt Naphthenate - (promoter)	1.0 to 4.0	%	
Methyl Ethyl Ketone Peroxide - (curative agent)	1.0 to 3.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3600	MPa	Internal Method
Tensile Strength	50.0	MPa	Internal Method
Tensile Elongation (Break)	2.7	%	Internal Method
Flexural Modulus	3800	MPa	Internal Method
Flexural Strength	78.0	MPa	Internal Method
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	100	°C	ASTM D648
Thermoset	Nominal Value	Unit	Test Method
Thermoset Mix Viscosity (25°C)	350	cP	Internal Method

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.

## 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

