

# MFE® -22

Vinyl Ester  
Huachang Polymer Co., Ltd.

Message:

MFE-22 Bisphenol-A Epoxy vinyl ester resin has superior thermal resistance.

PROPERTY

Heat Deflection Temperature 20°C higher than MFE-2

Corrosion resistance similar to MFE-2

Exceptional wettability

APPLICATION

FRP tank, vessel, duct, molded grating, pultruded products and pipeline, etc.

General Information			
Features	Good Corrosion Resistance		
	High Heat Resistance		
	Rapid Wetting		
Uses	Piping		
	Tanks		
Appearance	Yellow		
Physical	Nominal Value	Unit	
Solids Content	55 to 63	%	
Thermal Stability (80°C)	> 1	day	
Gel Time (25°C)	7.0 to 21.0	min	
Gel to Peak	5.0 to 10.0	min	
Peak Exotherm	150 to 180	°C	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3600	MPa	ASTM D638
Tensile Strength	72.0	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	3500	MPa	ASTM D790
Flexural Strength	110	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	130	°C	ASTM D648
Thermoset	Nominal Value	Unit	
Thermoset Mix Viscosity (25°C)	220 to 450	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

