



MERICAN 9515 is an ISO/NPG unsaturated polyester resin, which has excellent solvent and aging resistance, high reactivity, medium viscosity. It can be cured with peroxide hardener or UV light (wavelength range is 365-420 nm).

Features

- ♦ Easy to be thickened and the speed is fast
- ♦ Excellent corrosion resistance to water / acid / salt solution
- ♦ Good toughness and high impact strength
- ♦ Excellent mechanical properties thanks to good wet-out to fiberglass
- ♦ Fast UV curing speed, the photoinitiator is added

APPLICATIONS

- ♦ It is suitable for pipe and tank manufacturing, hydraulic engineering, boating, corrosion protection and electrical industries
- ♦ It is suitable for the production of CIPP light-curing prepreps, which are also very suitable for drainage systems

LIQUID RESIN PROPERTIES ⁽¹⁾

Property	Value	TM
Appearance	Light yellow transparent liquid	Visual
Viscosity, cps(25°C)	700 ± 100	ISO 2555
Curing Time ⁽²⁾ , min	10.0 ± 3.0	-
Solid Content, %	58.0 ± 3.0	ISO 3233
Thermal Stability, hr (80°C)	≥ 24	ISO 584

PROPERTIES ⁽¹⁾ OF PURE RESIN CASTING

Property	Value	TM
Tensile Strength, MPa	70	ASTM D638
Tensile Modulus, GPa	3.1	ASTM D638
Tensile Elongation, %	5.8	ASTM D638
Flexural Strength, MPa	135	ASTM D790
Flexural Modulus, GPa	3.2	ASTM D790
Barcol hardness	35	ASTM D2583

(1) Typical physical properties, should not be considered as product specifications.

(2) Cured by UV light (300w, Osram).

MERICAN® 9515

TESTING CONDITIONS

Temperature: 25 °C. Relative moisture: 50 ± 5%.

PACKING

The product is packed in clean, dry, safe and sealed container; standard packaging size: net weight 20 Kg / iron drum, 220 Kg / iron drum, 1000 Kg / IBC tank.

STORAGE

The storage environment should be dry and ventilated. The storage period below 25 °C is 6 months, Improper storage or transportation conditions will cause a shortening of the resin's storage period. The products shall comply with the provisions on the storage, transportation, loading and unloading of hazardous chemicals in the Regulations on the Safety Management of Hazardous Chemicals of the State Council. It is recommended to transport resin by refrigerated truck when the temperature exceeds 35 °C, and transport it at night to avoid direct sunlight.

MATERIAL SAFETY

A Material Safety Data Sheet of this product is available on request.

TEST METHODS

Test methods (TM) referred to in the table(s) are available on request.

SINO POLYMER is a leading manufacturer of epoxy vinyl ester resin, unsaturated polyester, epoxy resin, polysulphone, coating and adhesives since year 1958, with its headquarter and plant located in Shanghai Chemical Industry Park, P.R. China. The company's Total Quality Management Gene's guaranty sustainable product & service quality, lead time and competitiveness, as the Safety & Security Management, Improvement Process, R&D and International developments make Sino Polymer a sustainable partner on long term.

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