



## NOVOC<sup>®</sup> 4900 SERIES

**NOVOC<sup>®</sup> 4900** is a high solids, zero HAP's, vinyl ester developed to help customers meet air quality emission standards. The resin system generates less than 1% VOC's.

**NOVOC<sup>®</sup> 4900** is a marine grade resin, engineered for filament winding, pultrusion, infusion and laminate tool construction. Glass transition temperature of the **NOVOC<sup>®</sup> 4900** exceeds 300°F, making it an ideal candidate wherever high performance is a necessity.

**NOVOC<sup>®</sup> 4900** will outperform conventional polyesters and vinyl esters based on physical properties and high solids yield. The resin has excellent wet-out characteristics and requires no extraordinary handling or processing procedures to achieve outstanding physical properties with low VOC's.

Andara, LLC ask that each user evaluate the performance of the **NOVOC<sup>®</sup> 4900** under conditions that simulate production procedures as nearly as possible to determine suitability for each application. For additional technical information or questions, contact your sales representative.

### Liquid Properties

Viscosity..... 3,500  
Thix Index ..... 2

### Physical Properties (6mm felt)

#### Tensile

Test Type..... ASTM D638  
Mean Tensile Strength (psi) ..... 8,000  
Mean Tensile Modulus (psi) ..... 550,000

#### Flexural

Test Type..... ASTM D790  
Mean Flexural Strength (psi) ..... 14,000  
Mean Flexural Modulus (psi) ..... 525,000

**Elongation, %** ..... 3.5

**Water Absorption** ..... 0.30

**Glass Transition Temperature** ..... <300°F

Physical properties testing was performed on clear resin neat resin panels.

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[www.novoc.com](http://www.novoc.com)