



## NOVOC® 4900-45 Lateral CIPP

**NOVOC® 4900-45** 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® 4900-45** is a marine grade resin, engineered for filament winding, pultrusion, infusion and laminate tool construction. Glass transition temperature of the **NOVOC® 4900-45** exceeds 300°F, making it an ideal candidate wherever high performance is a necessity.

**NOVOC® 4900-45** 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.

Go Trenchless Supply, LLC ask that each user evaluate the performance of the **NOVOC® 4900-45** 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
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Water Absorption .....	0.30
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Glass Transition Temperature .....	<300°F
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Physical properties testing was performed on clear resin neat resin panels.