



## Poly Lining Systems, Inc. Technical Data Sheet

### Corrosion Resins: PLS 411a

#### Proprietary Blended Storage Tank Reinforced Lining System

Poly Lining Systems, Inc. PLS 411a Base Resin is specially formulated and promoted for use in the PLS 411 Reinforced Tank Bottom Lining System specifically designed for above ground bulk petroleum storage tanks. The PLS 411 System consists of PLS 411a Base Resin, PLS 411b Structural Reinforcement Fiberglass and PLS 411c Velvet.

### Benefits

#### Corrosion Resistance

The PLS 411 lining system provides excellent, field-proven corrosion resistance for many fuels including: gasoline, kerosene, heating oil and crude oils. For questions concerning the chemical compatibility and corrosion resistance of the PLS 411 System in other chemical environments, contact Poly Lining Systems, Inc.

#### Structural Enhancement

The PLS 411 lining system is a fiberglass reinforced system with increased structural properties beyond that offered by simple corrosion coatings.

#### Versatile

PLS 411a Base Resin is suitable for various fabricating methods such as hand lay-up, spray application, filament winding, etc.

### Material Properties\*

Test	Unit of Measure	Nominal	Test Method
Tensile Strength	psi/MPa	11,700/80	ASTM D638
Tensile Modulus	psi/GPa	560,000/4.0	ASTM D638
Tensile Elongation	%	2.7	ASTM D638
Flexural Strength	psi/MPa	17,300/114	ASTM D790
Flexural Modulus	psi/GPa	560,000/4.0	ASTM D790
Heat Distortion Temperature	<sup>o</sup> F/ <sup>o</sup> C @264 psi	295/146	ASTM D648
Barcol Hardness		46	ASTM D2583

\* Typical properties of resin without reinforcement are not to be construed as specifications