



## Poly Lining Systems, Inc. Technical Data Sheet

### Corrosion Resins: PLS 311

#### Proprietary Blended Storage Tank Unreinforced Lining System

Poly Lining Systems, Inc. PLS 311 Resin is specially formulated and promoted for use as a corrosion coat designed to be applied to the interior surfaces of above ground bulk petroleum storage tanks. The PLS 311 resin is intended to be applied to intact above ground storage tank bottoms and walls which do not have a large degree of pitting or corrosion loss in order to mitigate further corrosion of these surfaces.

### Benefits

#### Corrosion Resistance

The PLS 311 tank lining resin 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 311 Resin in other chemical environments, contact Poly Lining Systems, Inc.

#### Thin Mil Application/Recoat Flexibility

The PLS 311 resin is applied to a nominal 20 mil thickness in 2 successive coats. Recoat can be performed from 3 hours to 3 days after initial coating providing a great deal of timing flexibility for the applicator.

#### Versatile

PLS 311 Resin is suitable for various fabricating methods such as roller application, 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	°F/°C @264 psi	295/146	ASTM D648
Barcol Hardness		46	ASTM D2583

\* Typical properties are not to be construed as specifications