

Plyophen 23900

Phenolic

Durez Corporation

Message:

Plyophen 23900 is a liquid one-step phenolic resin in ethanol.

Plyophen 23900 is a heat resistant laminating varnish for use in the production of components for rockets and missiles. This resin is a high heat resistant, low or high pressure, laminating phenolic with exceptionally high strengths at elevated temperatures. It is generally reinforced with glass cloth or glass filaments, but can also be reinforced with other materials. The pre-impregnation of reinforcements with this resin is quite simple, and the resin content and volatile content can be easily adjusted for the particular application.

Laminates made with this resin, in addition to the high physical properties at elevated temperatures, have good resistance to organic solvents, weak inorganic acids, and hydraulic aircraft oil or de-icing fluids, low moisture absorption, and good resistance to rain and hot gas erosion.

General Information			
Features	High Heat Resistance		
	High Temperature Strength		
	Low Moisture Absorption		
	Solvent Resistant		
Uses	Coating Applications		
	Laminates		
Appearance	Clear/Transparent		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	Internal Method
Thermoset	Nominal Value	Unit	Test Method
Thermoset Mix Viscosity (25°C)	100	cP	Internal Method
Additional Information	Nominal Value	Unit	Test Method
Non-Volatile Content	64	%	Internal Method

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