

DESCRIPTION

Plyophen 23057 is a liquid one-step phenolic resin in ethanol.

APPLICATION

Plyophen 23057 is a polyamide modified phenolic resin which was developed especially for use with glass cloth to produce laminates which will have an increased degree of burn-through resistance, and is suggested for those applications requiring improved physical properties on short exposure to temperatures above 600°F.

The data given below is based on the use of glass cloth impregnated with this resin. However, certain modifications can be incorporated, such as the use of certain fillers, which may prove beneficial in certain cases. Fillers such as aluminum phosphate, graphite and others, may be incorporated with the resin in amounts up to 10% or more and in some cases beneficial results will be obtained, especially when the temperature of exposure goes to a fairly high temperature where some of the fillers may become reactive with the glass.

Laminate Preparation
(50 PSI Laminate)

Impregnating Batch: Undiluted Resin

B-Stage Characteristics	* Pressing Conditions	Post-Cure	
		Hrs.	°F
Resin - 35.4%	295°F	18	275
Volatile - 5.0%	60 minutes	24	325
Flow - 13.0%**	50 psi	24	375
Cloth - 181 (A-1100)	12 ply		

* Pressure released at 90, 120, 150 seconds

** At the pressing conditions

TYPICAL PROPERTIES

		<u>Test Method</u>
Viscosity @ 25°C, cps	1,500.00	DCT 4003F
Non Volatile, %	43.00	DCT 5009
Sunshine Gel (135°C), min	23.00	DCT 5091

Durez test methods are available upon request.

STORAGE

This product is a heat reactive material and should be stored in closed containers at, or below 40°F.

PACKAGING AND SHIPPING

Available in 55 gallon steel drums, 450 pounds net. This product is DOT regulated and shipped as a FLAMMABLE LIQUID, UN 1866.

READ THE MATERIAL SAFETY DATA SHEET BEFORE HANDLING,
STORING OR USING THIS PRODUCT.