

CRYSTIC[®] PD10582PA HL

Polyester resin with fire retardant properties

Introduction

Crystic PD10582PA HL is a pre-accelerated thixotropic polyester resin with fire retardant properties.

Applications

Crystic PD10582PA HL is suitable for spray and hand lamination techniques.

Features and Benefits

Crystic PD10582PA HL has fire retardant properties making it suitable for applications where fire resistance is a consideration.

Product Characteristics

Crystic PD10582PA HL should be allowed to attain workshop temperature (18°C - 20°C) before use. It requires only the addition of a catalyst to start the curing reaction. The recommended catalyst is Catalyst M[™] (or Butanox M50), which should be added at 1% - 2% into the resin. The catalyst should be thoroughly incorporated into the resin, using a low shear mechanical stirrer where possible..

Additives

The addition of fillers or pigment pastes can adversely affect the properties of the cured laminate. Users should seek advice from our Technical Service Department before making any additions.

Post Curing

Satisfactory laminates for many applications can be made from Crystic PD10582PA HL by curing at workshop temperature (20°C). For optimum properties, however, laminates should be post-cured before being put into service. The laminate should be allowed to cure for 24 hours at 20°C, and then be oven cured for 16 hours at 40°C or 3 hours at 80°C.

Typical Properties

The following tables give typical properties of Crystic PD 10582PA HL

Property		Liquid Resin
Appearance		Mauvish pink bit free resin
Viscosity (cone&plate 0-5P) 25Deg C	Poise	2 to 3.5
Acid Value	Mg KOH/g	20 to 28
Geltime at 25 °C using 2 % Catalyst M	minutes	8-10 minutes

Storage

PD 10582PA HL should be stored between 5 and 25°C in the original, unopened container in a dry, well ventilated place. Protect from freezing and direct sunlight. Avoid contact with oxidising agents

Packaging

Crystic PD10582PA HL is supplied , 200kg drums and 1 tonne containers.

Health & Safety

Please see separate Material Safety Data Sheet.

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