

POLYLITE® PD-3200

PRELIMINARY

DESCRIPTION

POLYLITE® PD-3200 is a medium reactive low styrene DCPD polyester resin for general purposes. POLYLITE® PD-3200 is accelerated and non-thixotropic. The resin impregnates the glass fibre rapidly, gives good curing and is designed for RTM application.

APPLICATION

POLYLITE® PD-3200 is specially formulated for flag pole production.

FEATURES

- Low styrene content
- Good fiber wetting properties
- Tailor made built-in accelerator system

BENEFITS

- Reduced shrinkage
- Improved surface aspects
- Easy lamination and air release
- Good reactivity in laminate thickness 3-8 mm wet in wet

TYPICAL PROPERTIES**PHYSICAL DATA IN LIQUID STATE AT 23°C**

Properties	Unit	Value	Test method
Viscosity - Cone & Plate	mPa's(cP)	280-310	ISO 2884-1999
Density	g/cm ³	1.08 ± 0.02	ISO 2811-2001
Styrene content	% weight	34 ± 2	B070
Flash point	°C	32	ASTM D 3278-95
Gel time: 2% NORPOL PEROXIDE 1	minutes	18-23	G020
Storage stability from date of manufacture	months	4	G180

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TYPICAL NON-REINFORCED CASTING PROPERTIES

Fully post-cured

Properties	Unit	Value	Test method
Tensile strength	MPa	50	ISO 527-1993
Tensile modulus	MPa	3100	ISO 527-1993
Tensile elongation	%	2,1	ISO 527-1993
Flexural strength	MPa	90	ISO 178-2001
Flexural modulus	MPa	3300	ISO 178-2001
Heat distortion temp.	°C	75	ISO 75-1993

STORAGE

To ensure maximum stability and maintain optimum resin properties, resins should be stored in closed containers at temperatures below 24°C/75°F and away from heat ignition sources and sunlight. Resin should be warmed to at least 18°C/65°F prior to use in order to assure proper curing and handling. All storage areas and containers should conform to local fire and building codes. Copper or copper containing alloys should be avoided as containers. Store separate from oxidizing materials, peroxides and metal salts. Keep containers closed when not in use. Inventory levels should be kept to a reasonable minimum with first-in, first-out stock rotation.

Additional information on handling and storing unsaturated polyesters is available in Reichhold's application bulletin "Bulk Storage and Handling of Unsaturated Polyester Resins." For information on other Reichhold resins or initiators, contact your sales representative or authorized Reichhold distributor.

SAFETY**READ AND UNDERSTAND THE MATERIAL SAFETY DATA SHEET BEFORE WORKING WITH THIS PRODUCT**

Obtain a copy of the material safety data sheet on this product prior to use. Material safety data sheets are available from your Reichhold sales representative. Such information should be requested from suppliers of all products and understood prior to working with their materials.

DIRECTLY MIXING ANY ORGANIC PEROXIDE WITH A METAL SOAP, AMINE, OR OTHER POLYMERIZATION ACCELERATOR OR PROMOTER WILL RESULT IN VIOLENT DECOMPOSITION