

POLYLITE[®] PO-3506

Polyester casting resin for buttons

PRELIMINARY

DESCRIPTION

POLYLITE[®] PO-3506 is a high reactive orthophtalic polyester resin.
POLYLITE[®] PO-3506 is unaccelerated and non-thixotropic.

APPLICATION

The resin is especially formulated for production of buttons by centrifugal casting method.

FEATURES

- Clear, low coloured
- Favourable curing
- Statistically process and quality controlled by ISO 9001

BENEFITS

- Excellent latent color stability of buttons
- Fast gel and cure times for quicker demoulding
- Outstanding impact and heat resistance
- Very good mechanical properties when machined
- Constant performance, batch-to-batch

The information herein is general information designed to assist customers in determining whether our products are suitable for their applications. Our products are intended for sale to industrial and commercial customers. We require customers to inspect and test our products before use and to satisfy themselves as to contents and suitability for their specific applications. We warrant that our products will meet our written specifications. **Nothing herein shall constitute any other warranty express or implied, including any warranty of merchantability or fitness for a particular purpose**, nor is any protection from any law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is limited to replacement of our materials and in no event shall we be liable for special, incidental or consequential damages.



PROPERTIES

PHYSICAL DATA IN LIQUID STATE AT 25°C

Properties	Unit	Value	Test Method
Viscosity - Brookfield LVF 2/12	mPa's(cP)	1300-1600	ASTM D 2196-86
Specific gravity	g/cm ³	app.1,12	ISO 2811-2001
Acid value	mgKOH/g	max.30	ISO 2114-1996
Colour	Hazen	max.60	-
Non volatile content	% weight	min.65	B070
Flash point	°C	35	ASTM D 3278-95
Gel time: 1% NORPOL [®] PEROXIDE 9 (MEKP) 1% Co accelerator 1 (1% Co)	minutes	3-8	G020
Reactivity at 23°C: 1% NORPOL [®] PEROXIDE 9 (MEKP) 1% Co accelerator 1 (1% Co) -23 – 35°C -23-Peak exotherm -Peak exotherm	minutes minutes °C	3-8 10-15 130-170	DIN 16945
Storage stability from date of manufacture	months	6	-

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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.

PACKAGING FORM

Non-returnable 220 kg metal drums. Containers IBC 1000 kg. Road tank (bulk)

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

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