

CRYSTIC 2-446 PALV

Spray and hand lay up

Introduction

- Unsaturated polyester resin based on orthophthalic resin and standard glycols
- Preaccelerated, thixotropic, contains blue indicator
- Low styrene emission

Applications

- General purpose resin for production of laminate. Suitable for spray up and hand lay up.

Characteristics of the liquid resin

Property		Liquid Resin
Appearance		Blue/greenish
Viscosity @ 25 °C 37.35 s ⁻¹	mPas	250-400
Viscosity @ 25 °C C&P, 4500 ^{s-1}	mPas	140-200
Stability in the dark at 20 °C	months	3
Geltime at 25 °C using 1 % Butanox M50 (or equivalent)	minutes	21-30

Property		Fully cured* resin (unfilled casting)
Barcol hardness (Model GYZJ 934-1)		42
Deflection temperature under load† (1.80 MPa)	°C	67
Water absorption 24 hours at 23°C	mg	15
Tensile strength	MPa	50
Tensile modulus	MPa	3800
Elongation at break	%	1,5

* Curing schedule – 24 hrs at 20 °C, 3 hrs at 80 °C

† Curing schedule – 24 hrs at 20 °C, 5 hrs at 80 °C, 3 hrs at 120 °C

Storage

Crylic 2-446 PALV should be stored in the dark in suitable closed containers. It is recommended that the storage temperature should be less than 20 °C where practical, but should not exceed 30 °C. Ideally, containers should be opened only immediately prior to use. When they have to be stored outside, it is recommended that containers are kept in a horizontal position to avoid the possible ingress of water.

Health and Safety

Please see separate Material Safety Data Sheet.

September, 2016

All information on this data sheet is based on laboratory testing and is not intended for design purposes. Scott Bader makes no representations or warranties of any kind concerning this data. Due to variance of storage, handling and application of these materials, Scott Bader cannot accept liability for results obtained. The manufacture of materials is the subject of granted patents and patent applications; freedom to operate patented processes is not implied by this publication.