

# CRESTAFIRE® P1-3002PA

## RTM Polyester resin with fire retardant properties

### Introduction

Crestafire P1-3002PA is a pre-accelerated polyester resin with fire retardant properties.

### Applications

Crestafire P1-3002PA is suitable for RTM and RTM light applications.

### Features and Benefits

Crestafire P1-3002PA has fire retardant properties making it suitable for applications where fire resistance is a consideration.

### Product Characteristics

Crestafire P1-3002PA 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 MEKP (50%), 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 Crestafire P1-3002PA 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 Crestafire P1-3002PA

Property		Liquid Resin
Appearance		Mauvish pink bit free resin
Viscosity (cone&plate 0-5P) 25Deg C	Poise	2.3 to 2.7
Geltime at 25 °C using 2 % Catalyst M	minutes	23 to 27 minutes
Stability from date of manufacture when stored in accordance with storage recommendations	months	6

## **Storage**

Crestafire P1-3002PA should be stored between 5°C 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. If stored outside of these recommendations, shelf life will be significantly reduced.

## **Packaging**

Crestafire P1- is supplied in 25, 225kg & 1100kg containers.

## **Health & Safety**

Please see separate Safety Data Sheet.

Version                      Crestafire P1-3002PA \_resin\_EN\_Sep 20  
Group tech class        R30127

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.

### **SCOTT BADER COMPANY LIMITED**

Wollaston, Wellingborough, Northamptonshire, NN29 7RL  
Telephone: +44 (0) 1933 663100  
Facsimile: +44 (0) 1933 666623

[www.scottbader.com](http://www.scottbader.com)