SprayCore®
ITW Performance Polymers

TECHNICAL DATA SHEET

SC2045 Coring/Bulk Print Blocker

Description: **SC2045 Coring/Bulk Print Blocker** is a uniquely blended compound resin that can be used as a coring material or a bulk print blocker to enhance cosmetic appearance, rigidity, and speed of production of fiberglass reinformed plastic products. When used as a fiberglass print barrier, SC2045 is applied behind the "skin coat" laminate. It greatly reduces the transfer of the fiberglass pattern of the laminates behind the coring material on the gel coat surface. MEKP catalyst is included.

Item Number **103202 2045** drum lined
Item Number **103211 2045** unlined drum
Item Number **103412 MR-100 blowing** agent 5-gal pail

FEATURES & BENEFITS

- Very fast gel time and cure cycles
- Superior bulk print blocking properties
- Extremely ridged product
- Blue color helps reveal air bubbles
- Excellent choice for high-speed production, reducing manufacturing costs
- Greatly reduces fiberglass pattern transfer
- Improves impact resistance
- Produces consistent and void free application

TYPICAL MATERIAL PROPERTIES

Appearance	Packaging	Application Method	Approximate Coverage
Blue	Drum	Sprayable	1550 sq ft/gal/mil
Styrene	**Mix ratio**	**Preferred red dyed Catalyst**	**Gel Time, min.**
30 % (volume)	1.5% MEKP 2.0% MEKP / 1.5% MR-100	DHD-9 MEKP-9 MEKP-900	4 - 8 0.5 - 1.5
Gel to Peak Range, min.	**Peak Exo. Temp. (100 gm) ºF / ºC**	**Density Range, lb/gal**	**Viscosity Range, cP**
5 – 8 4 - 8	250-325 / 121-162 325-375 / 162-190	10.00 – 10.50 8.79 – 9.14	3,000 –5,000 (RFV#4@20 rpm)

All properties are measured at 77ºF / 25ºC

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30 Endicott Street Danvers, MA 01923
USA TEL: 855-489-7262

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EFFECT OF TEMPERATURE:

Application at temperatures between 65°F (18°C) and 95°F (35°C) will ensure proper cure, ideally above 75°F. Temperatures below 65°F (18°C) or above 95°F (35°C) will slow down or increase cure rate significantly. To ensure consistent dispensing between equipment, resin and catalyst, temperatures should be held reasonably constant throughout the year. Resin in cured state behaves differently at elevated and low temperatures. See ITW Performance Polymers for specific values.

STORAGE AND SHELF LIFE:

Expected Shelf life 3 months on SHELD 2045 & 6 months on MR-100, where shelf life is based on continuous storage between 54°F (12°C) and 95°F (35°C). Prolonged exposure above 95°F (35°C) quickly diminishes the reactivity of the product and should be avoided.

PRODUCT USE:

Many factors beyond ITWPP's control and uniquely within user's knowledge and control can affect the use and performance of an ITWPP product in an application. Given the variety of factors that can affect the use and performance of our products, the user is solely responsible for evaluating the ITWPP product and determining whether it is fit for a particular purpose and suitable for the user's method of application. ITWPP recommends the User review all Safety Data Sheets, Technical Data Sheets and ITWPP's warranty and limited liabilities prior to use. These can be found at www.itwpp.com

Notes

1. **ITW PP strongly recommends that all substrates be tested with the selected laminate in the anticipated service conditions to determine suitability.**
2. **Industrial Use Only**

DISCLAIMERS:

TECHNICAL INFORMATION: The technical information in, recommendations and other statements contained in this document are based upon good faith tests or experience that ITWPP believes are reliable, but the accuracy or completeness of such information is not guaranteed. The information provided is not intended to substitute for the customers own testing.

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USA TEL: 855-489-7262
FAX: 978-774-0516
e-mail: info@itwpp.com