HUNTSMAN
Enriching lives through innovation

## Advanced Materials

# RenShape© BM 5185

BOARD MATERIAL
MEDIUM DENSITY STYLING AND MODELING BOARD

**KEY PROPERTIES**

- **Low coefficient of thermal expansion**
- **Very good surface structure**
- **Good machinability**

**APPLICATIONS**

- Master models
- Styling

**PRODUCT DATA**

| Product | Colour | Test method |
|---|---|---|
| RenShape© BM 5185 | Apricot | visual |

**PROPERTIES**

| | | | |
|---|---|---|---|
| **Density** | **ISO 1183** | $g/cm^3$ | 0.4 – 0.5 |
| **Coefficient of thermal expansion** | **ISO 11359** | $10^{-6}\,k^{-1}$ | 60 – 65 |
| **Deflection temperature** | **ISO 75** | $^oC$ | 60 - 70 |
| **Compressive strength** | **ISO 604** | MPa | 10 - 15 |
| **Compressive modulus** | **ISO 604** | MPa | 500 - 600 |
| **Flexural strength** | **ISO 178** | MPa | 10 - 15 |

HUNTSMAN

Enriching lives through innovation

## BONDING

| System | | RenPaste© SV 427-2<br>Ren© HY 5162 | RenCast© FC 52 A/B |
|---|---|---|---|
| **Appearance** | **Visual** | brown | light beige |
| **Mix ratio** | **Parts by weight** | 100 : 35 | 100 : 100 |
| **Pot life at 25°C** | **min** | 20 | 4 – 5 |
| **Clamping time** | **h** | 12 | 3 - 5 |

## REPAIR

| System | | XW 5129<br>XW 5130 | XW 5184<br>XW 5130 |
|---|---|---|---|
| **Appearance** | **visual** | brown | brown |
| **Mix ratio** | **Parts by weight** | 100 : 1-3 | 100: 1-3 |
| **Pot life at 25°C** | **min** | 4 - 6 | 4 - 6 |
| **Cure time** | **min** | 25 - 30 | 25 - 30 |
| **Notes** | | Used mainly as a repair filler | Used mainly as a fine filler to achieve an extra smooth surface finish |

## MILLING

Milling parameter available on request.

## STORAGE

Board material may be stored flat in original cartons at 2º to 40ºC in a dry area. Temperature variations should be avoided when transporting and storing board material.

## WORKING CONDITIONS

The product should be used when in the temperature range 20º to 25ºC.

## PACKAGING

| Dimension (mm) | Volume (l) | Weight (kg) | Number of Boards (per pack) | Number of Boards (per pallet) |
|---|---|---|---|---|
| 1500 x 500 x 50 | 37.5 | 15 – 18.75 | 2 | 40 |
| 1500 x 500 x 100 | 75 | 30 – 37.5 | 1 | 20 |

## HANDLING PRECAUTIONS

Caution

Our products are generally quite harmless to handle provided that certain precautions normally taken when handling chemicals are observed. The uncured materials must not, for instance, be allowed to come into contact with foodstuffs or food utensils, and measures should be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The wearing of impervious rubber or plastic gloves will normally be necessary; likewise the use of eye protection. The skin should be thoroughly cleansed at the end of each working period by washing with soap and warm water. The use of solvents is to be avoided. Disposable paper - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. These precautions are described in greater detail in the Material Safety Data sheets for the individual products and should be referred to for fuller information.

**Huntsman Advanced Materials**
(Switzerland) GmbH
Klybeckstrasse 200
4057 Basel
Switzerland

Tel: +41 (0)61 299 11 11
Fax: +41 (0)61 299 11 12

www.huntsman.com/advanced_materials
Email: advanced_materials@huntsman.com




Huntsman Advanced Materials warrants only that its products meet the specifications agreed with the user. Specified data are analysed on a regular basis. Data which is described in this document as 'typical' or 'guideline' is not analysed on a regular basis and is given for information purposes only. Data values are not guaranteed or warranted unless if specifically mentioned.
The manufacture of materials is the subject of granted patents and patent applications; freedom to operate patented processes is not implied by this publication. While all the information and recommendations in this publication are, to the best of Huntsman Advanced Material's knowledge, information and belief, accurate at the date of publication, nothing herein is to be construed as a warranty, whether express or implied, including but without limitation, as to merchantability or fitness for a particular purpose. In all cases, it is the responsibility of the user to determine the applicability of such information and recommendations and the suitability of any product for its own particular purpose.
The behaviour of the products referred to in this publication in manufacturing processes and their suitability in any given end-use environment are dependent upon various conditions such as chemical compatibility, temperature, and other variables, which are not known to Huntsman Advanced Materials. It is the responsibility of the user to evaluate the manufacturing circumstances and the final product under actual end-use requirements and to adequately advise and warn purchasers and users thereof.
Products may be toxic and require special precautions in handling. The user should obtain Safety Data Sheets from Huntsman Advanced Materials containing detailed information on toxicity, together with proper shipping, handling and storage procedures, and should comply with all applicable safety and environmental standards.
Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent on manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.
Except where explicitly agreed otherwise, the sale of products referred to in this publication is subject to the general terms and conditions of sale of Huntsman Advanced Materials LLC or of its affiliated companies including without limitation, Huntsman Advanced Materials (Europe) BVBA, Huntsman Advanced Materials Americas Inc., Huntsman Advanced Materials (UAE) FZE, Huntsman Advanced Materials (Guangdong) Company Limited, and Huntsman Advanced Materials (Hong Kong) Ltd.
Huntsman Advanced Materials is an international business unit of Huntsman Corporation. Huntsman Advanced Materials trades through Huntsman affiliated companies in different countries including but not limited to Huntsman Advanced Materials LLC in the USA and Huntsman Advanced Materials (Europe) BVBA in Europe.

All trademarks mentioned are either property of or licensed to Huntsman Corporation or an affiliate thereof in one or more, but not all, countries.
Copyright © 2012 Huntsman Corporation or an affiliate thereof. All rights reserved.