

Board Material

RenShape[®] BM 5470

Premium quality board

Key properties

- Very smooth surface structure, less finishing required
- Easily shaped and machined
- Good dimensional stability

Applications

- Data Control Models
- Master Models
- Cubing models

Product data

Product	Colour	Test method
RenShape BM 5470	Brown	visual

Properties

Density	ISO 1183	g/cm ³	0.75
Hardness	ISO 868	Shore D	60 - 65
Coefficient of thermal expansion	ISO 11359	10 ⁻⁶ k ⁻¹	55 - 60
Deflection temperature	ISO 75	°C	60 – 70
Compressive strength	ISO 604	MPa	33 - 38
Compressive modulus	ISO 604	MPa	600 - 700
Flexural strength	ISO 178	MPa	35 - 40

Bonding

System		RenPaste® SV 427-2 Ren® HY 5162
Appearance	visual	Brown
Mix ratio	Parts by weight	100 : 35
Pot life at 25°C	min	20
Clamping time	h	12

Repair

System		XW 5184 XW 5130
Appearance	visual	Brown
Mix ratio	Parts by weight	100 : 1-3
Pot life at 25°C	min	4 - 6
Cure time	min	25 - 30

Notes: 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 2° to 40°C 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 20° to 25°C.

Packaging

Dimensions	Volume (l)	Weight (kg)	Number of Boards (per pack)	Number of Boards (per pallet)
1500 x 500 x 50	37.5	26-27	2	32
1500 x 500 x 100	75	52-53	1	16

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 (UK) Limited

All recommendations for the use of our products, whether given by us in writing, verbally, or to be implied from the results of tests carried out by us, are based on the current state of our knowledge. Notwithstanding any such recommendations the Buyer shall remain responsible for satisfying himself that the products as supplied by us are suitable for his intended process or purpose. Since we cannot control the application, use or processing of the products, we cannot accept responsibility therefore. The Buyer shall ensure that the intended use of the products will not infringe any third party's intellectual property rights. We warrant that our products are free from defects in accordance with and subject to our general conditions of supply.

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