HUNTSMAN
Enriching lives through innovation

Advanced Materials

RenShape© BM 5066

BOARD MATERIAL
TOOLING BOARD FOR JIGS AND FIXTURES

KEY PROPERTIES

- **Easily machinable (no abrasive fillers)**
- **Dust-free milling**
- **Very good edge strength**
- **Outstanding dimensional stability**

APPLICATIONS

- Master models
- Foundry patterns
- Copy-milling models

PRODUCT DATA

Product	Colour	Test method
RenShape© BM 5066	Beige	visual

PROPERTIES

Density	**ISO 1183**	g/cm^3	app. 1.1
Hardness	**ISO 868**	Shore D	75 – 80
Coefficient of thermal expansion	**ISO 11359**	10^{-6} k^{-1}	60 – 65
Compressive strength	**ISO 604**	MPa	55 – 60
Flexural strength	**ISO 178**	MPa	55 - 60

BONDING

System		Araldite© AW 106 HV 953 U
Appearance	visual	Transparent
Mix ratio	Parts by weight	100 : 60
Pot life at 25°C	min	60 - 90
Clamping time	h	18

REPAIR

Repair with adhesive bonded inserts.

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 CONDITION

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 Packs (per pallet)
1500 x 500 x 100	75	81	1	16
1500 x 500 x 50	37.5	40.5	1	32

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.

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