

Board Material

RenShape[®] BM 5266

For metal forming

Key properties

- Good abrasion resistance
- Machines well, low dust
- Low odour whilst milling
- Very dense surface structure
- Polishable
- Good temperature resistance

Applications

- Metal forming (very good for aluminium and high-grade steel)
- Vacuum forming
- Foam moulds
- Jigs
- Moulds for PIM

Product data

Product	Colour	Test method
RenShape BM 5266	Dark grey	visual

Properties

Density	ISO 1183	g/cm ³	1.7
Hardness	ISO 868	Shore D	85 - 90
Coefficient of thermal expansion	ISO 11359	10 ⁻⁶ k ⁻¹	45 - 50
Deflection temperature	ISO 75	°C	120 – 125
Compressive strength	ISO 604	MPa	125 – 130
Compressive modulus	ISO 604	MPa	7500
Flexural strength	ISO 178	MPa	80 - 85

Bonding

System		[®] Araldite AW 106 / HV 953 U (for metalforming)	Araldite 2014 (for thermoforming)
Appearance	visual	Transparent	Grey
Mix ratio	Parts by weight	100 : 60	100 : 50
Pot life at 25°C	min	60 - 90	40
Clamping time	h	12	6

Repair

System		[®] RenPIM 5219 A/B RenPIM 5215 B, DT 078
Appearance	visual	Dark grey
Mix ratio	Parts by weight	80 : 50 : 50 : 500
Pot life at 25°C	min	3
Cure time	h	2 - 3

Notes: Or use adhesive bonded inserts.

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 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 Boards (per pallet)
750 x 500 x 50	18.75	31 - 32	2	24
750 x 500 x 100	37.5	63 - 64	1	12

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

Duxford, Cambridge
England CB2 4QA

Tel: +44 (0) 1223 493 000
Fax: +44 (0) 1223 493 002

www.renshape.com

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