

# RAKU-TOOL<sup>®</sup> CC-6010 & CB-6010

## Close Contour Casting & Close Contour Block

### Cast Polyurethane, density <math><1.0 \text{ g/cm}^3</math>

PC - Rev.-Status: 01- 2010/02/24

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#### Key Properties

- Fine surface structure
- Very easily machined
- Similar quality to RAKU-TOOL<sup>®</sup> Modeling Boards without bonding lines

#### Applications

- Master models
- Cubing models
- Data control models

#### Advantages of Close Contour Casting & Close Contour Block

- Close Contour Casting (CC-6010) is supplied as a three dimensional shape which is already a close contour of your final shape
- Close Contour Block (CB-6010) is supplied as a customized size of a rectangular, unmachined block
- Quicker machining, less tool wear and less wastage through close contour shape
- Less manual finishing required as the surface is seamless, smooth, very dense and free from bubbles through our vacuum casting process
- No handling of liquid chemistry, concentration on milling technology
- Good dimensional stability as the material exhibits little stresses and is isotropic like board material
- High quality standard

#### Mechanical Properties

			CC-6010 & CB-6010
Color	visual		Brown
Density	ISO 1183	$\text{g/cm}^3$	0.80
Shore hardness D	ISO 868		65 – 70
Coefficient of thermal expansion	ISO 11359	$10^{-6}\text{K}^{-1}$	65 – 70
Deflection temperature, HDT	ISO 75	$^{\circ}\text{C}$	75 – 80
Compressive strength	ISO 604	MPa	35 – 40
Compressive modulus	ISO 604	MPa	1300 – 1600

#### Processing

The product should have a temperature of 20°C – 25°C during processing.

#### Storage

The material should be stored flat and in a dry place. Temperature variations should be avoided during storage and transportation.

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### Handling Precautions

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Good workplace ventilation is to be ensured during processing. At the same time, the employer's liability insurance association's industrial hygiene safety regulations regarding the handling of reaction resins and their hardeners are to be observed. Please take heed of the appropriate safety data sheets.

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