

RAKU-TOOL[®] CC-6015 & CB-6015

Close Contour Casting & Close Contour Block

Cast Polyurethane

PC - Rev.-Status: 01- 2010/02/25

Page 1 of 2

Key Properties

- Very easily machined
- Dense surface structure
- Low coefficient of thermal expansion
- Good edge strength

Applications

- Wrapped models
- Molds and Tools for Rapid Prototyping
- Tooling Jigs

Advantages of Close Contour Casting

- Close Contour Casting (CC-6015) is supplied as a three dimensional shape which is already a close contour of your final shape
- Close Contour Block (CB-6015) 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-6015 & CB-6015
Color	visual		Beige
Density	ISO 1183	g/cm ³	1.07
Shore hardness D	ISO 868		80 – 85
Coefficient of thermal expansion	ISO 11359	10 ⁻⁶ K ⁻¹	50 - 55
Deflection temperature, HDT	ISO 75	°C	70 - 80
Compressive strength	ISO 604	MPa	50 - 55
Compressive modulus	ISO 604	MPa	2500 – 3000

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

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.
