RAKU[®] TOOL

CC-6507 & CB-6507

Close Contour Casting & Close Close Contour Block

Cast Polyurethane

| © RAMPF Advanced Polymers GmbH & Co. KG | MAEI - Rev.Status: 02-2024/07/01 - GB | Page 1 / 2 |
|---|---------------------------------------|------------|
| | | |

| Key Properties | Applications |
|--|--|
| Dense surface structure Excellent milling characteristics | Pattern plates Core boxes |
| Good dimensional stability | Models and molds |
| Good abrasion resistance | Hammer tools |
| Good impact resistance | • Jigs |

Advantages of Close Contour Casting

- Close Contour Casting is supplied as a three dimensional shape / casting which is already a close contour of the final shape.
- Close Contour Block is supplied as a customized size of a rectangular, unmachined block.
- Quicker machining, less tool wear and less waste through close contour shape.
- Less finishing required as the surface is seamless, smooth and very dense.
- Good dimensional stability, minimal internal stress as the material is isotropic like board material.
- High quality standard.

Mechanical Properties

| | | Unit | CC-6507 / CB-6507 |
|----------------------------------|-----------|-----------|-------------------|
| Color | | visual | olive |
| Density | ISO 1183 | g/cm³ | ca. 1.40 |
| Hardness | ISO 868 | Shore D | 85 - 90 |
| Coefficient of thermal expansion | ISO 11359 | 10^-6K^-1 | 50 - 55 |
| Deflection temperature, HDT | ISO 75 | °C | 75 - 80 |
| Compressive strength | ISO 604 | MPa | 85 - 95 |
| Compressive modulus | ISO 604 | MPa | 3,500 - 4,000 |

Processing

The material should be processed at a temperature of $20^{\circ}C - 25^{\circ}C$.

Storage

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

E advanced.polymers@rampf-group.com www.rampf-group.com





CC-6507 & CB-6507 Close Contour Casting & Close Close Contour Block Cast Polyurethane



© RAMPF Advanced Polymers GmbH & Co.

MAEI - Rev.Status:02 - 2024/07/01 - GB

Page 2/2

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.

RAMPF Advanced Polymers GmbH & Co. KG Robert-Bosch-Str.8 - 10 | D-72661Grafenberg T+49.71 23.93 42-0

E advanced.polymers@rampf-group.com www.rampf-group.com Our recommendations on the use of the material are based on many years of experience and current scientific and practical knowledge. They are, however, provided without any obligation on our part and do not relieve the buyer of the need for suitability tests. They do not constitute a legal relationship, nor are any protected third party rights whatsoever affected thereby. The technical data sheet is not a specification, but contains only approximate values.