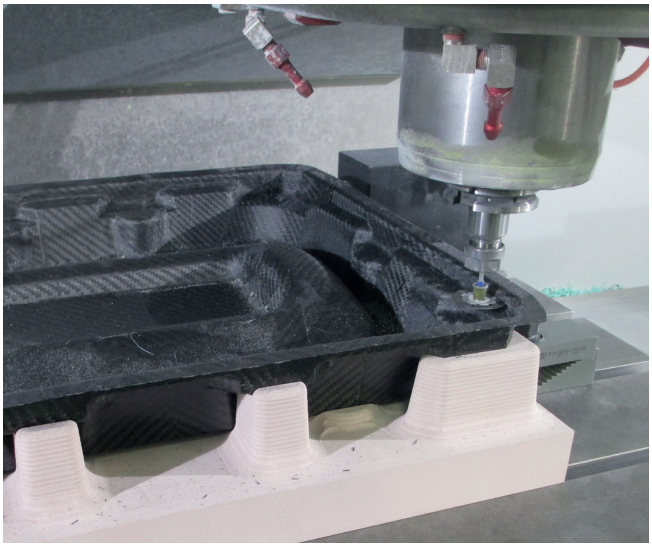
RAMPF
discover the future

RAKU® TOOL Epoxy Board Material

for the production of lightweight parts.



Application:

Production process of high-quality carbon fiber lightweight parts

Production process:

Master model

> Milled from RAKU® TOOL epoxy board material WB-0691 and WB-0700

> Sealed with Mikon® MC 399 from Münch Chemie International

Mold

> Manufactured with carbon fiber prepreg using the autoclave process

Untrimmed carbon fiber lightweight part

> Produced via resin infusion using RAKU® TOOL EI-2500 / EH-2970-1 and carbon fiber or with prepreg using the autoclave process

Cutting jig

> Produced from board material RAKU® TOOL MB-0600

Finished carbon fiber lightweight part

> Demolded part was trimmed and finished on the cutting jig made from RAKU® TOOL MB-0600

RAMPF Advanced Polymers Products

RAKU® TOOL MB-0600 – Board Material

> Fine surface structure, easy to machine

> Low coefficient of thermal expansion, good dimensional stability

RAKU® TOOL WB-0691 / WB-0700 Epoxy Board Material

> Very low coefficient of thermal expansion and high temperature resistance

RAKU® TOOL EI-2500 / EH-2970-1 Resin Infusion System

> Temperature resistant up to 115 °C

> Flows well, unfilled, low viscosity

Key advantages

> Dimensionally stable master model with good temperature resistance

> Lightweight and cost-saving cutting jig made from RAKU® TOOL MB-0600

> High dimensional stability of the mold (+/- 0 expansion of carbon fiber), very lightweight and easy to handle

> Excellent dimensional accuracy of produced carbon fiber lightweight parts

RAMPF Advanced Polymers GmbH & Co. KG

Robert-Bosch-Straße 8–10 I 72661 Grafenberg I Germany
T +49.7123.9342-0 I E advanced.polymers@rampf-group.com
www.rampf-group.com