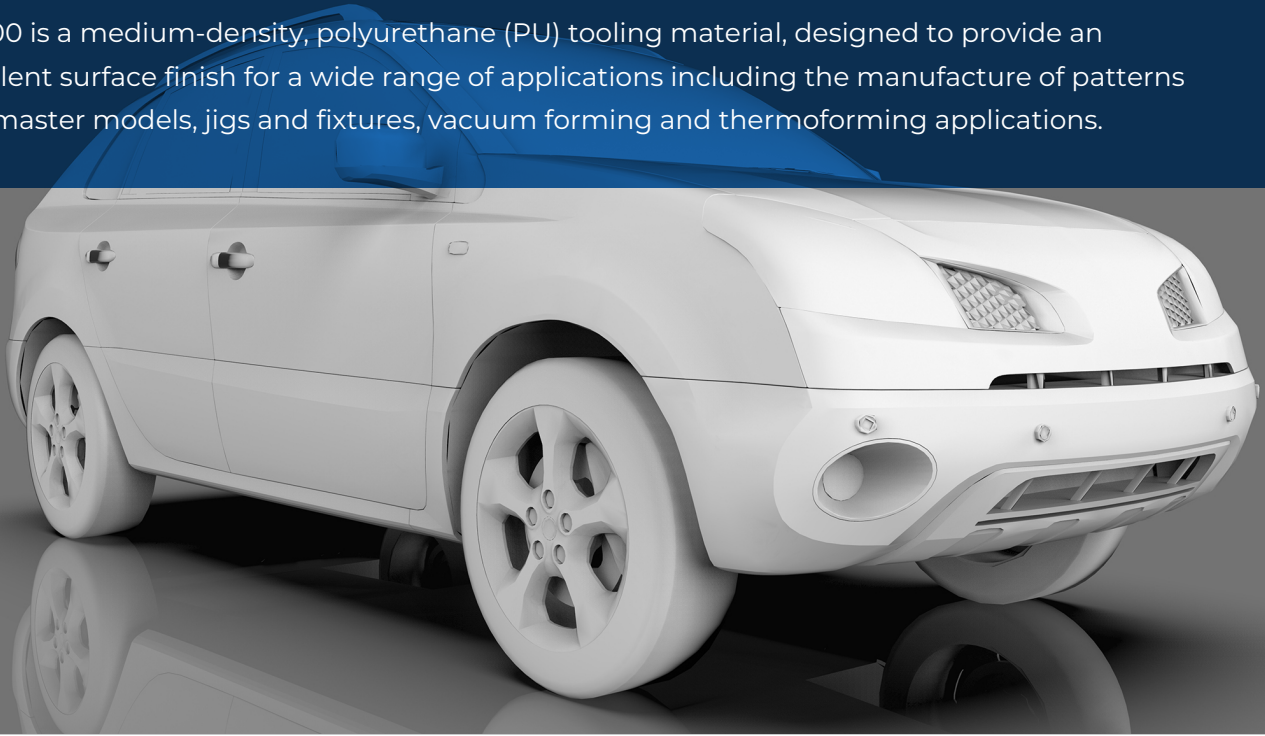


BP600

MEDIUM-DENSITY POLYURETHANE (PU) TOOLING MATERIAL



BP600 is a medium-density, polyurethane (PU) tooling material, designed to provide an excellent surface finish for a wide range of applications including the manufacture of patterns and master models, jigs and fixtures, vacuum forming and thermoforming applications.



APPLICATIONS

BP600 can be used for the following applications:

- Master models
- Vacuum forming
- Thermoforming
- Jigs and fixtures
- Prototype models
- Automotive modelling
- Foundry patterns and pattern plates
- Architectural models
- Decorative arts and crafts
- Film and theatre props

FEATURES & BENEFITS

BP600 provides an excellent surface finish and is easy to machine

- Fine surface structure
- Low coefficient of thermal expansion for consistent, reliable performance
- Very good dimensional stability
- Easy to machine
- Inert surface

TECHNICAL PROPERTIES

PROPERTY	VALUE	TEST METHOD
COLOUR	Ivory	-
HARDNESS, SHORE D (+/-5)	65	ISO 868
DENSITY, KG/M ³	ca. 600	ISO 1183-1
DEFLECTION TEMPERATURE (TG), °C (+/-5)	67	ISO 11357
COEFFICIENT OF THERMAL EXPANSION (CTE) °C 10 ⁻⁶ K ⁻¹ (+/-5)	45	ISO 11359
FLEXURAL STRENGTH, MPA (+/-5)	30	ISO 178
COMPRESSIVE STRENGTH, MPA (+/-5)	30	ISO 604

BOARD SIZES

BP600 is available in a range of sizes
(length x width +/- 1mm x depth +/- 0.5mm)

1524mm x 608mm x 50mm

1524mm x 608mm x 75mm

1524mm x 608mm x 100mm

1524mm x 608mm x 150mm

1524mm x 608mm x 200mm

ANCILLARY MATERIALS

BP600 is available with material adhesives,
repair pastes, sealers and release agents.

STORAGE OF MATERIAL

The boards must be stored indoors, on a flat dry
surface. Temperature variations must be avoided
during transportation and storage.



Base Materials is an expert in high-performance syntactic materials for a wide range of industries including automotive, aerospace, foundry, manufacturing, marine, motorsport, rail and subsea.

Customers are at the heart of what we do. Our proven high-quality solutions are engineered to meet your challenging application requirements.

CONTACT US

+44 (0)116 286 5073

sales@base-materials.com

www.base-materials.com

Disclaimer

All technical data and results are based on laboratory work and do not necessarily indicate the results that the buyer or user will attain. Base Materials Limited makes no warranty expressed or implied, including warranties of merchantability or fitness for a particular use. Under no circumstances will Base Materials Limited be liable for incidental, consequential or other damages, alleged negligence, breach of warranty, strict liability or any other legal theory arising out of the use or handling of this product.