



# Ultracur3D<sup>®</sup> Photopolymers

## Product Range

Ultracur3D<sup>®</sup> reactive urethane photopolymers deliver class-leading performance and consistency to meet your specific application needs while accelerating design iterations and cutting your development costs. Based on BASF's decades of experience in polyurethane research and production, the Forward AM range of advanced photopolymer resins and solutions delivers long-term UV stability and structural performance far superior to conventional photopolymers.

### Ultracur3D<sup>®</sup> RG

#### Ultracur3D<sup>®</sup> RG 35, 35 B



- Very high stiffness and high temperature resistance
- High accuracy and low shrinkage
- Low water uptake
- Easy to polish

Color: clear and black

#### Ultracur3D<sup>®</sup> RG 50



- Very high accuracy and low shrinkage
- Parts can be washed with water, no chemicals needed
- Very low viscosity, allowing easy handling and fast printing

Color: clear

#### Ultracur3D<sup>®</sup> RG 1100, 1100 B

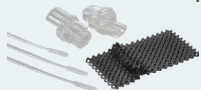


- Very high stiffness
- Impressive all-round temperature resistance
- Very high chemical resistance and low water uptake

Color: clear and black

### Ultracur3D<sup>®</sup> ST

#### Ultracur3D<sup>®</sup> ST 45, 45 M, 45 B



- Excellent combination of high strength, toughness and impact resistance
- Very fast printing and great surface finishing
- ST 45 M version has a lower curing depth for higher z-resolution on certain printers

Color: clear and black

#### Ultracur3D<sup>®</sup> ST 80, 80 B, 80 W, 80 G



- Well-balanced multi-purpose material
- High toughness and impact resistance
- Most cost-effective solution
- UV stability

Color: clear, black, white and gray

#### Ultracur3D<sup>®</sup> ST 1400



- Outstanding toughness and impact resistance
- Medium stiffness, bridging the gap between flexible and rigid materials
- Low viscosity and fast printing

Color: clear

### Ultracur3D<sup>®</sup> FL / EL

#### Ultracur3D<sup>®</sup> FL 300



- Very low hardness (Shore 40A)
- Superior elongation at break

Color: clear

#### Ultracur3D<sup>®</sup> FL 60



- Low hardness (Shore 60A)
- Very good haptics
- Very stable clear-white color

Color: clear

## Ultracur3D® FL / EL

### Ultracur3D® EL 60



- Low hardness (Shore 75 A)
- Quick elastic response
- Easy to print, also very fine structures

Color: clear

### Ultracur3D® EL 150



- Medium hardness (Shore 80A)
- Optimum combination of high strength, elongation at break and rebound

Color: clear

### Ultracur3D® EL 4000



- High hardness (Shore 90A)
- High green strength, ideal for printing intricate flexible parts
- Superior strength, rebound and tear resistance

Color: clear

## Ultracur3D® DM / DMD

### Ultracur3D® DM 2505



- Enables precise manufacturing of dental models and molds
- Ideal for thermoforming
- Parts can be washed with water, no chemicals needed

Color: beige

### Ultracur3D® DM 2304



- Optimized for producing gingiva masks in connection with 3D printed dental models
- Highly flexible and very soft

Color: pink

### Ultracur3D® DMD 1005\*



- Ideal for economic and large-scale production of dental models and molds
- Good printing accuracy and suitable for thermoforming

Color: beige

## Ultracur3D® EPD\*

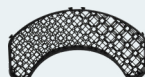
### Ultracur3D® EPD 1006



- Good toughness and impact resistance
- Easy to print, with nice surface finish and intricate geometries
- Ideal for prototyping, jigs and fixtures

Color: black

### Ultracur3D® EPD 1086



- Well-balanced mechanical properties
- Cost-effective solution for a wide range of applications

Color: black

### Ultracur3D® EPD 2006



- Very high stiffness and temperature resistance
- Ideal for large-scale objects
- Printed parts show intricate details

Color: black

### Ultracur3D® EPD 3500



- Optimum combination of high strength, high stiffness and good impact resistance
- Low water uptake
- Ideal for engineering prototypes, also when translucency is required

Color: amber

## Ultracur3D® EPD\*

### Ultracur3D® EPD 4006



- Extremely tough and durable, ideal for functional applications
- Superior impact resistance
- Easy to print and smooth surface finish

Color: black

## Ultracur3D® Supplementary

### Ultracur3D® CK



- Color mixing solution, which can be added to your base resin before printing
- Enables colored parts without the need for post-processing

Color: white, yellow, cyan, magenta and black

### Ultracur3D® Cleaner



- Quick and efficient solution for removing any uncured photopolymer resin from printed parts
- Compatible with a wide variety of resins, incl. most resins of the Ultracur3D® portfolio

\* Daylight resin, powered by Photocentric