

ST Line

Tough Line

Ultracur3D® ST 45

Ultracur3D® ST45 B

Ultracur3D® ST 45 M

Ultracur3D® ST 80*

Ultracur3D® ST

Tough Reactive Urethane
Photopolymer Material

- Faster post-curing – no thermal treatment needed
- Impact strength
- High E modulus
- Wide UV-long-term stability of printed parts



Performance
prototypes



Functional
end-use parts



Tough parts

	ST 45 B	ST 80
E Modulus	2050 Mpa	1500 MPa
Tensile Strength @ yield	50 MPa	35 MPa
Elongation @ break	20 %	21 %
HDT @ 0.45	63°C	47°C
Hardness	80 Shore D	80 Shore D

* Pre Market Phase, sample on request

Technical data on demand, please contact us via e-mail

FL/EL Line

Elastomeric / Flexible

Ultracur3D® FL 60

Ultracur3D® EL 60

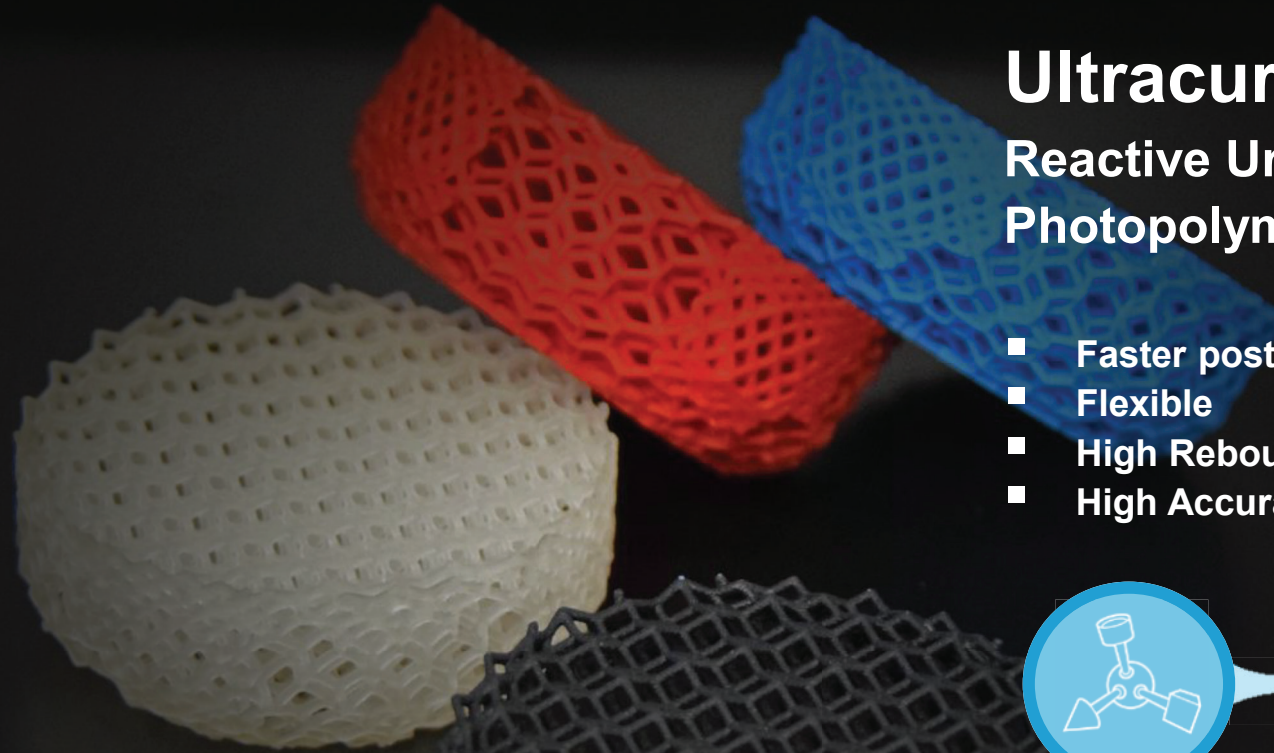
Ultracur3D® FL 300*

Ultracur3D® EL 150*

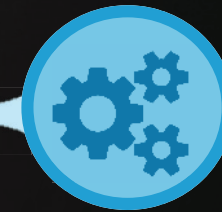
Ultracur3D® FL/EL

Reactive Urethane
Photopolymer Material

- Faster post-curing – no thermal treatment needed
- Flexible
- High Rebound
- High Accuracy



Performance
prototypes



Functional
end-use parts



Flexibility
Shock Absorption

	FL 60	EL 60
Tear Strength	12 N/mm	16 N/mm
Tensile Strength	4 MPa	5 Mpa
Elongation @ break	80%	70%
Hardness	70 Shore A	70 Shore A
Rebound	//	17%

* Pre Market Phase, sample on request

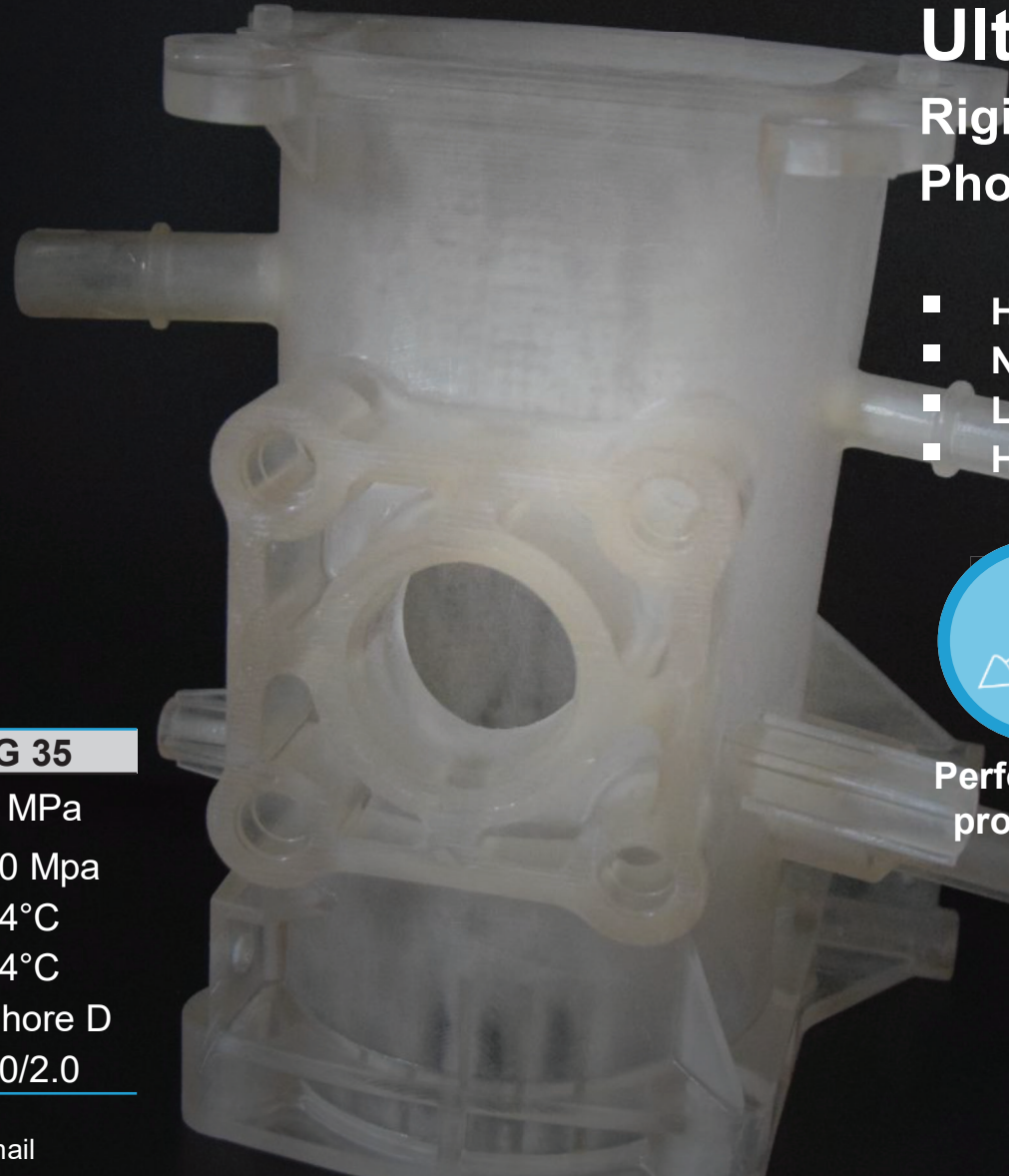
Technical data on demand, please contact us via e-mail

RG Line

Rigid Line

Ultracur3D® RG 35

Ultracur3D® RG 50



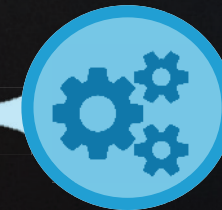
Ultracur3D® RG

Rigid Reactive Urethane
Photopolymer Material

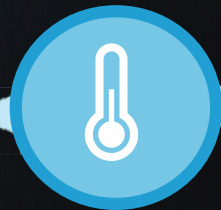
- High accuracy
- No water uptake
- Low shrinkage
- Higher Temperature Resistance



Performance
prototypes



Functional
end-use parts



Higher Temp
Resistance

RG 35

Tensile Strength	70 MPa
Flexural Modulus	2500 Mpa
HDT @ 0.45 MPa	84°C
HDT @ 1.8 MPa	64°C
Hardness	80 Shore D
Glow wire Test	650/2.0

Technical data on demand, please contact us via e-mail

BASF
We create chemistry

FORWARD
Innovating Additive Manufacturing