



We create chemistry



Ultracur3D FL 60

BASF Reactive Urethane Photopolymer
for Flexible Applications

Ultracur3D FL 60 (Flexible product line) is designed to offer exceptional flexibility combined with high tear strength for a 3D Printing Photopolymer. With its well-balanced properties, it enables a broad range of elastomer applications. This material family will evolve based on our customer demands.

Example Applications



Flexible
prototypes



Foot-wear
applications



Cushioning and
lattice applications

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Material Properties	Norm	Typical values
Tensile		
Ultimate Tensile Strength	ISO 53504	4 MPa
Ultimate elongation		84 %
Mechanical		
Tear Strength	ASTM D624	13 kN/m
Rebound Pendulum	ASTM D1054	15-17 %
Hardness		
Shore A	ASTM D2240 (3s)	73
DMA		
Tg	tan(d)	25 °C
General		
Viscosity @ 30 °C	Cone/plate rheometer	450 mPas
Viscosity @ 50 °C		180 mPas

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High elongation
@ break

Tear strength