



3D Printing Materials for industrial Applications

Ultracur3D® by BASF

rapidshape



Performance Parameters	Rapid Shape 3D Printer I30+
Building area	151 x 85 mm
Native Pixel	+/- 78 µm
Max. part height	170 mm (with ASM 70 mm)
Light source	385 nm UV LED
Resolution	1920 x 1080 px
Dimension (W x H x D)	480 x 690 x 410 mm
Connections	WLAN, TCP/IP, USB
Control	10" touch-screen

Product	Ultracur3D® ST 45	Ultracur3D® ST 80	Ultracur3D® EL 60	Ultracur3D® EL 150
Example Applications	Housings, Prototyping, High details and texture parts, Customized gadgets and tools	Electrical casings, Customised consumer goods and tools, Orthopedics, High detail and textured parts	Footwear, Prototyping, Cushioning pads, Flexible grip	Footwear, Prototyping Cushioning pads, Flexible grip
Properties	Young's modulus: 2300 MPa Tensile strength: 60 MPa Heat deflection temperature: 73 °C Hardness: 80 D	Impact strength: 24 J/m Young's modulus: 1500 MPa Elongation at break: 20 % Hardness shore: 80 D	Rebound resilience: 21 % Elongation at break: 95 % Hardness: 75 A Water absorption (24h): 0.60 %	Rebound resilience: 25 % Tear strength: 15 N/mm Elongation at break: 150 % Hardness: 80 A
Features	Multi-purpose resin with optimum toughness and processing speed	Multi-Purpose Resin Targeting the Lowest Cost per Part	Flexible Resin with Quick Elastic Response and Low Hardness	Flexible Resin with Optimum Strength, Rebound and Medium Hardness

