



3D Printing Filament

TECHNICAL DATA SHEET - Build Series ABS

Commercial name: MatterHackers Build Series ABS
Raw material: ABS
Designation: 3D printing applications
Manufacturer: MatterHackers

Material Specifications

PROPERTY	VALUE
Density	1.04g/cm-3
Heat Deflection Temperature	78c
Tensile Strength at Yield	43 MPa
Tensile Elongation at break	22%
Flexural Modulus	66 MPa
Flexural Strength	2348 MPa
Notched Izod Impact	19KJ/M2

Filament Specifications

PROPERTY	VALUE
Diameter 1.75mm	1.75 ± 0.05 mm
Diameter 2.85mm	2.85 ± 0.05 mm
Suggested printing bed material	Glass/Glue, BuildTak, PEI, Garolite
Suggested print temperature	220-260c
Suggested print speed	30 - 100mm/s
Suggested bed temperature	90-110c