

# Workshapes

## MATERIAL DATA SHEET: HD PLASTIC

Material	Composition
HD PLASTIC	UV RESIN

### Material Properties

Density	1.02 g/cm <sup>3</sup>
Tensile strength	42.4 Mpa
Tensile modulus	1463 Mpa
Elongation at break	6.83%
Flexural strength	49 Mpa
Heat distorsion temperature	56 °C
USP Class VI Certified	YES

### Design Guidelines

Maximum printable size X x Y x Z (HD)	284x184x203	Minimum wall tickness	0.3 mm
Maximum printable size X x Y x Z (VHD)	50x50x200	Minimum wires	0.6 mm
Construction support required	YES (wax)	Accuracy	± 0.1-0.2 mm
Minimum size details	0.1 mm	Clearance	0.05 mm
Interlocking parts	YES		
Enclosed parts	YES		