Wood

Wood Filament is an innovative, eco-sustainable material that combines bioplastics with a specially selected wood fibre blend. This unique composition not only ensures its eco-friendly nature but also, thanks to the integration of the wood component, gives the material a distinctive aesthetic reminiscent of the natural qualities of traditional wood.

Material properties

Density	ISO 1183	**1,26**	g/cm³
Tensile strength	ISO 527	**39**	MPa
Elongation at break	ISO 527	**2**	%
Elastic modulus	ISO 527	**3200**	MPa
Flexural strength	ISO 527	**43**	MPa
Resilience	ISO 179	**22**	kJ/m²
Hardness	ISO 7619	**77 D**	Shore
HDT 0.45 MPa	ISO 75	**48**	°C
Vicat softening temperature	ISO 306	**48**	°C
Melting temperature	ISO 11357	**146-160**	°C

Printing layer height
0,15 mm (0,006 in)

Maximum dimensions
250 x 250 x 250 mm (9,8 x 9,8 x 9,8 in)

Tolerances
± 0,60mm < 100mm / ± 0,6% > 100mm

Applications
Applications range from the creation of decorative items such as sculptures, vases, and frames, to personal accessories like jewellery and keyrings, as well as functional household objects including handles, knobs, desk organisers, and small containers, not to mention the world of modelling for precise details and bespoke customisations.