

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/cm ³
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/m ²
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.

Information contained in this data sheet is up-to-date and correct as at the date of issue. As Weerg cannot control or anticipate the conditions under which this product may be used, each user should review the information in the specific context of the planned use. To the maximum extent permitted by law, Weerg will not be responsible for damages of any nature resulting from the use or reliance upon the information contained in this data sheet. No express or implied warranties are given other than those implied mandatory by law.