PRO HT

Incredibly easy to print and producing consistently beautiful results, BigRep's PRO HT is one of our best-selling filaments for good reason.

Filament Properties

Material	Bio Polymer Blend
Diameter	2.85 mm
Density (ISO 1183)	1.3 g/cm³

Physical & Mechanical Properties

Tensile Strength (ISO 527)	45 MPa
Tensile Modulus (ISO 527)	3100 MPa
Flexural Strength (ISO 178)	60 MPa
Flexural Modulus (ISO 178)	3000 MPa
Impact Strength, Notched (ISO 179)	8 kJ/m²

Thermal Properties

HDT A - 1.8 MPa (ISO 75)	55 °C
HDT B - 0.45 MPa (ISO 75)	61 °C
Vicat Softening Tempeature (ISO 306)	116 °C
Glass Transition Temperature (Tg) (DSC)	60 °C
Melting Temperature (Tm) (DSC)	170 °C

Recommended Printing Conditions

Nozzle Temperature	190 - 230 °C
Print Bed Temperature	50 - 70 °C
Fan Speed	50 - 100 %

Other Information

Drying Recommendations	50 °C for 4 - 6 hours
Reach Compliant	Yes
RoHS Certified	Yes
FDA Compliant	Yes (except Silver color)