

bigrep **FILAMENT**



ADVANCED **MATERIALS** FOR
INDUSTRIAL APPLICATIONS

PLA



Affordable
& Versatile

Compatible with
all BigRep 3D Printers



PLX



Fast & Reliable

Compatible with
all BigRep 3D Printers



PRO HT



Easy Printing
& Support
Removal

Compatible with
all BigRep 3D Printers



HI-TEMP



High-Temperature
Resistant

Compatible with
all BigRep 3D Printers



PETG



Durable and
Impact Resistant

Compatible with
all BigRep 3D Printers



TPU



Flexible with
Engineering
Properties

Compatible with
all BigRep 3D Printers



PA6/66



Light Weight &
Highly Resistant

Compatible with
BigRep PRO and STUDIO G2



PET-CF



Carbon Fiber
Reinforced

Compatible with
BigRep STUDIO G2



	Flexural Modulus [Mpa]	Tensile Strength [Mpa]	Impact Strength notched [kJ/m ²]	Heat Resistance HDT [°C]	Hardness [Shore]
PLA	3800	60	7.5	< 40	D 60
PLX	2800	48	20	< 40	D 70
PRO HT	3300	44	18	47	D 75
HI-TEMP	4400	61	4.4	115	D 80
PETG	2145	50	7.2	60	D 105
PA6/66	2325	67	17.2	> 100	D 70
PET-CF	8000	100	40	> 100	n.a.
TPU	*470%	40	**175 kN/m	< 40	A 98

*Elongation at break

**Tear strength

PVA



Water-Soluble Support

Compatible with all BigRep 3D Printers



MADE FOR BIG PRINTS SPOOL SIZES

EXTRA
SMALL

0.75 

SMALL

2.5* 

* Small spools of PVA and PETG weigh 2.3 kg

MEDIUM

4.5 

LARGE

8.0 

BVOH



Advanced Water-Soluble Support

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BigRep filaments are created under carefully controlled conditions to guarantee uniform diameters and consistent composition.

They are then packed in low-humidity packaging, ensuring material integrity and promoting predictable extrusion regardless of whether they see immediate use or weeks of storage. We offer a range of high quality materials from affordable PLA's to specialized engineering-grade compositions that unlock a wide variety of industrial applications.

Whatever your objective, BigRep offers unique, professionally crafted materials to help achieve your goals.

REDEFINING **ADDITIVE**

bigrep.com



EUROPE

Gneisenaustraße 66
10961 Berlin
Germany
Phone +49 30 20 84 82 60

NORTH AMERICA

50-E Concord Street
Suite 100, Wilmington, MA 01887
United States
Phone +1 781 281 0569

APAC

120 Lower Delta Road
#04-04/05 Cendex Centre
Singapore 169208
Phone +65 6909 8191