

A large, dark, textured filament spool is the central focus of the image. The spool is composed of multiple layers of filament, creating a complex, layered structure. The filament has a fine, woven texture. The spool is set against a light blue background. The text 'bigrep FILAMENT' is overlaid on the top left of the spool.

bigrep **FILAMENT**

# bigrep FILAMENT

ADVANCED MATERIALS FOR INDUSTRIAL APPLICATIONS



ESHOP

 <p><b>PLA</b></p> <p>MADE FOR <b>ONE PRO STUDIO<sup>02</sup></b></p> <p>AFFORDABLE AND VERSATILE</p> <p>€/Kg <b>28.20</b></p>	 <p><b>PLA ANTIBACTERIA</b></p> <p>MADE FOR <b>ONE STUDIO<sup>02</sup></b></p> <p>ANTIMICROBIAL BIO POLYMER</p> <p>€/Kg <b>101.95</b></p>	 <p><b>PLA ULTRALIGHT</b></p> <p>MADE FOR <b>ONE STUDIO<sup>02</sup></b></p> <p>ULTRALIGHT AND MALLEABLE FOAM</p> <p>€/Kg <b>101.95</b></p>
 <p><b>PLX</b></p> <p>MADE FOR <b>ONE STUDIO<sup>02</sup></b></p> <p>FAST AND RELIABLE</p> <p>€/Kg <b>36.99</b></p>	 <p><b>PRO HT</b></p> <p>MADE FOR <b>ONE PRO STUDIO<sup>02</sup></b></p> <p>EASY PRINTING AND SUPPORT REMOVAL</p> <p>€/Kg <b>52.49</b></p>	 <p><b>HI-TEMP</b></p> <p>MADE FOR <b>ONE PRO STUDIO<sup>02</sup></b></p> <p>HIGH-TEMPERATURE RESISTANT</p> <p>€/Kg <b>52.49</b></p>
 <p><b>PETG</b></p> <p>MADE FOR <b>ONE PRO STUDIO<sup>02</sup></b></p> <p>DURABLE AND IMPACT-RESISTANT</p> <p>€/Kg <b>36.87</b></p>	 <p><b>TPU</b></p> <p>MADE FOR <b>ONE STUDIO<sup>02</sup></b></p> <p>FLEXIBLE AND VERSATILE</p> <p>€/Kg <b>49.50</b></p>	 <p><b>PA6/66</b></p> <p>MADE FOR <b>PRO STUDIO<sup>02</sup></b></p> <p>LIGHT-WEIGHT AND RESISTANT</p> <p>€/Kg <b>93.33</b></p>
 <p><b>ASA</b></p> <p>MADE FOR <b>PRO STUDIO<sup>02</sup></b></p> <p>WEATHER AND UV-RESISTANT</p> <p>€/Kg <b>36.99</b></p>	 <p><b>ABS</b></p> <p>MADE FOR <b>PRO STUDIO<sup>02</sup></b></p> <p>VERSATILE AND IMPACT-RESISTANT</p> <p>€/Kg <b>36.99</b></p>	 <p><b>PET-CF</b></p> <p>MADE FOR <b>STUDIO<sup>02</sup></b></p> <p>CARBON FIBER REINFORCED</p> <p>€/Kg <b>91.24</b></p>
 <p><b>HI-TEMP<sub>CF</sub></b></p> <p>MADE FOR <b>ONE PRO STUDIO<sup>02</sup></b></p> <p>HIGH TEMPERATURE CARBON FIBRE</p> <p>€/Kg <b>59.99</b></p>	 <p><b>CONCRETE FORMWORK</b></p> <p>MADE FOR <b>STUDIO<sup>02</sup></b></p> <p>ADVANCED CASTING</p> <p>€/Kg <b>91.24</b></p>	 <p><b>BVOH</b></p> <p>MADE FOR <b>ONE PRO STUDIO<sup>02</sup></b></p> <p>ADVANCED WATER-SOLUBLE SUPPORT</p> <p>€/Kg <b>106.21</b></p>
 <p><b>PA12<sub>CF</sub></b></p> <p>MADE FOR <b>PRO STUDIO<sup>02</sup></b></p> <p>STIFF AND DURABLE</p>	 <p><b>COMING SOON!</b></p>	

	Flexural Modulus	Tensile Strength	Impact Strength Notched	Heat Resistance HDT	Hardness
	[Mpa]	[Mpa]	[kJ/m <sup>2</sup> ]	[°C]	[Shore]
PLA	3800	60	7.5	40	D 60
PLA ANTIBACTERIAL	3800	60	7.5	40	D 60
PLA ULTRALIGHT	variable	variable	variable	40	variable
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
TPU A98	*470%	40	**175 kN/m	40	A 98
PA 6/66	2325	67	17.2	>100	D 70
ASA	1250	40	30	86	n.a.
ABS	1350	30	35	91	n.a.
PET CF	8000	100	40	>100	n.a.
HI-TEMP CF	7000	65	45	115	n.a.
CONCRETE FORMWORK	5000	60	40	100	n.a.

\*Elongation at break \*\*Tear strength

## SPOOL SIZES MADE FOR BIG PRINTS

<b>X SMALL</b>	<b>SMALL</b>	<b>MEDIUM</b>	<b>LARGE</b>
0.75 KG	2.5 KG	4.5 KG	8.0 KG

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.