



bigrep **FILAMENT**

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ADVANCED MATERIALS FOR INDUSTRIAL APPLICATIONS

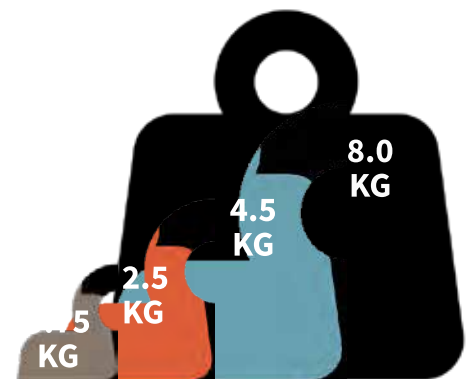
**THINGLAB**  
by FREEDSPACE

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|--|--|--|
|  <p><b>ABS</b></p> <p>MADE FOR: <b>STUDIO 02</b></p> <p>VERSATILE AND IMPACT-RESISTANT</p> <p>€/Kg <b>36.99</b></p>         |  <p><b>ASA</b></p> <p>MADE FOR: <b>PRO STUDIO 02</b></p> <p>WEATHER AND UV-RESISTANT</p> <p>€/Kg <b>36.99</b></p>                             |  <p><b>BVOH</b></p> <p>MADE FOR: <b>ONE   PRO   STUDIO 02</b></p> <p>ADVANCED WATER-SOLUBLE SUPPORT</p> <p>€/Kg <b>106.21</b></p>               |
|  <p><b>CONCRETE FORMWORK</b></p> <p>MADE FOR: <b>STUDIO 02</b></p> <p>ADVANCED CASTING</p> <p>€/Kg <b>91.24</b></p>         |  <p><b>HI-TEMP</b></p> <p>MADE FOR: <b>ONE   STUDIO   STUDIO 02</b></p> <p>HIGH-TEMPERATURE RESISTANT</p> <p>€/Kg <b>52.45</b></p>            |  <p><b>HI-TEMP CF</b></p> <p>MADE FOR: <b>ONE   PRO   STUDIO 02</b></p> <p>HIGH TEMPERATURE CARBON FIBRE</p> <p>€/Kg <b>59.99</b></p>           |
|  <p><b>PA12 CF</b></p> <p>MADE FOR: <b>PRO STUDIO 02</b></p> <p>WEATHER AND UV-RESISTANT</p> <p>€/Kg <b>148.17</b></p>     |  <p><b>PA6/66</b></p> <p>MADE FOR: <b>PRO STUDIO 02</b></p> <p>LIGHT-WEIGHT AND RESISTANT</p> <p>€/Kg <b>93.33</b></p>                       |  <p><b>PETG</b></p> <p>MADE FOR: <b>ONE   PRO   STUDIO 02</b></p> <p>DURABLE AND IMPACT-RESISTANT</p> <p>€/Kg <b>36.87</b></p>                 |
|  <p><b>PLA</b></p> <p>MADE FOR: <b>ONE   PRO   STUDIO 02</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   STUDIO 02</b></p> <p>ANTIMICROBIAL BIO POLYMER</p> <p>€/Kg <b>109.95</b></p> |  <p><b>PLA ULTRALIGHT</b></p> <p>MADE FOR: <b>ONE   STUDIO   STUDIO 02</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   STUDIO 02</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 02</b></p> <p>EASY PRINTING AND SUPPORT REMOVAL</p> <p>€/Kg <b>52.49</b></p>       |  <p><b>TPU 98A</b></p> <p>MADE FOR: <b>ONE   STUDIO   STUDIO 02</b></p> <p>FLEXIBLE AND VERSATILE</p> <p>€/Kg <b>49.50</b></p>                |

|                   | Flexural Modulus (Mpa) | Tensile Strength (Mpa) | Impact Strength (kJ/m <sup>2</sup> ) | Heat Deflection Temp (°C)      |
|-------------------|------------------------|------------------------|--------------------------------------|--------------------------------|
| ABS               | 1350                   | 30                     | 35                                   | 91                             |
| ASA               | 1250                   | 40                     | 30                                   | 86                             |
| CONCRETE FORMWORK | 5000                   | 60                     | 40                                   | 100                            |
| HI-TEMP           | 4400                   | 61                     | 4.4                                  | 100                            |
| HI-TEMP CF        | 7000                   | 65                     | 4.5                                  | 115                            |
| PA12 CF           | In Development         | In Development         | In Development                       | In Development                 |
| PA6/66            | 1650                   | 67                     | 9.5                                  | 110                            |
| PETG              | 2145                   | 50                     | 7.2                                  | 70                             |
| PLA               | 3800                   | 50                     | 7.5                                  | 55                             |
| PLA ANTIBACTERIAL | 3800                   | 50                     | 7.5                                  | 55                             |
| PLA ULTRALIGHT    | Variable               | Variable               | Variable                             | 55                             |
| PLX               | 2800                   | 48                     | 20                                   | 65                             |
| PRO HT            | 3300                   | 44                     | 18                                   | 47                             |
|                   | Shore Hardness         | Elongation at Break    | Tear Strength (kN/m)                 | Compression at Set (23°C, 72h) |
| TPU 98A           | 98A                    | 470%                   | 175                                  | 35%                            |

## SPOOL SIZES FOR BIG PRINTS



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.