



## Qoltec Professional filament for 3D print | ABS PRO | 1,75 mm | 1 kg | Grey

Product code: 50679

This specialized filament is designed for 3D printers. It was made of ABS PRO plastic, which makes the final product of your printing extremely resistant to any deformation, and will also willingly undergo mechanical processes that will further improve your printout at a later stage. So, let's go!

### Wide range of possibilities

Having a 3D printer, you already know that you can create a variety of products with it. Depending on the material used for their production, their wide application is defined. When choosing ABS PRO filament, you can count on the result in the form of a very hard product, resistant to external factors, which, however, favors its further processing. So it is difficult to deform it under pressure or impact, but you can drill, saw, or grind it. That is why ABS PRO filaments are perfect for printing various elements in the furniture and electronics industries, and for the production of utility items in the household. They are also used to create various types of toys, such as the well-known Lego bricks.

### A mysterious shortcut

ABS PRO – acrylonitrile-butadiene-styrene, is a material that fits perfectly into the 3D printing process. Its composition makes the products made of it very durable and resistant to high and low temperatures. The material itself is extremely flexible, which allows you to print any elements. The printing temperature ranges from 220 C to 260 C. However, due to its chemical composition, it should be used in a special – best-ventilated chamber, because during printing it gives off a strong smell and chemical vapors. It also prevents excessive shrinkage. Working with ABS filaments also requires a heated bed so that the printed element stabilizes during the creation process and does not jump off the substrate.

### Reliable performance

The Qoltec brand is characterized by high quality in creating its products. In this case, we have made every effort to ensure that our filaments are comfortable to use. They are therefore wound on a decent roller with rollers, thanks to which the product maintains the continuity of the printing process without tangling. The filament has a diameter of 1.75 mm and is packed with 1 kg of material.

### Technical data

|                             |                   |
|-----------------------------|-------------------|
| Producer                    | Qoltec            |
| Material                    | ABS PRO           |
| Diameter                    | 1.75 mm           |
| Density                     | 1,06 g/cm         |
| Impact strength             | 42 KJ/m           |
| Melt flow index             | 15 ( 220 C/10KG ) |
| Elongation at break         | 30%               |
| Tensile strength            | ABS PRO           |
| Flexural strength           | 68 MPa            |
| Flexural modulus            | 2443 MPa          |
| Heat distortion temperature | 73 C, 0.45 MPa    |
| Printing temperature        | 220 C - 260 C     |
| Table tamperature           | 90 C - 110 C      |
| Package                     | Box               |
| Colour                      | Grey              |
| Dimensions                  | 199 x 199 x 66 mm |
| Net weight                  | 1 kg              |
| Gross weight                | 1,420 kg          |
| Warranty                    | 24 months         |
| EAN code                    | 5901878506791     |