

ABS PLUS (COD.: ABSPLUS)

ABS PLUS is a next-generation ABS filament. By applying zero warp technology to the filament is born a filament with far less cracking, proven near perfect interlayers, reliable bed adhesion (glass, tape & other adhesives) while improving the mechanical properties making ABS PLUS extra strong. These properties make ABS PLUS the ultimate ABS replacement that prints strong and beautiful parts on any FDM 3D printer without the common headaches associated with regular ABS like warping & horrible bed adhesion. ABS PLUS is the perfect material for strong objects that require an high impact tolerance.

Features:

- Zero warp technology;
- Excellent interlayer adhesion;
- Reliable bed adhesion;
- Enhanced mechanical properties over regular ABS;
- Great strength & aesthetics.



Colours:

- K03022** Natural
- K03023** Black
- K03024** White
- K03025** Red
- K03026** Silver
- K03027** Grey

Additional info:

Recommended temperature for heated bed is $\pm 80^{\circ}\text{C}$.

ABS PLUS is printed at high temperatures to make the final product extra strong.

ABS PLUS can be used on all common desktop FDM or FFF technology 3D printers.

Storage: Cool and dry ($15\text{-}25^{\circ}\text{C}$). This enhances the shelf life significantly.

Dimensions

Size	Ø Tolerance	Roundness
1,75mm	$\pm 0,05\text{mm}$	$\geq 95\%$

Physical Properties

Description	Test Method	Typical Value
Specific Gravity	ISO 1183	1,1 g/cc
MFR 260°C/5kg	ISO 1133	41 gr/10min.
Yield Stress	ISO 527 50mm/min.	43,6 Mpa
Strain at Break	ISO 527 50mm/min.	34%
Tensile (E) Modulus	ISO 527 1mm/min.	2030MPa
Impact Strength Charpy Method 23°C	ISO 179	58 KJ/m2

Thermal properties

Description	Test Method	Typical Value
Printing Temperature	-	240-260°C
Melting Temperature	ISO 294	235 °C \pm 10°C
Vicat Softening Temp.	ISO 306	97°C

KLEVERFIL®

Via Lorenzo di Credi n. 20

50136 Firenze - Italy

Tel. +39 (0)55 66 43 96 - Fax. +39 (0)55 39 80 810

www.kleverfil.com – info@kleverfil.com

www.kloner3d.com – info@kloner3d.com