

ASA PLUS (COD.: ASAPLUS)

ASA PLUS is highly modified "industrial-grade" ASA filament with many features like UV resistance, zero warp technology and excellent mechanical properties. ASA PLUS is the perfect replacement when you require a performance material without the problems that can arise during printing with, for example, ABS. ASA PLUS not only has great strength and interlayer adhesion but also features one of the best aesthetics possible with FDM 3D printing. The reliable bed adhesion will ensure a smooth printing experience. ASA PLUS is perfect when you are looking for beautiful and strong prints that also last outside.

Features:

- UV/Weather resistant;
- Zero warp technology;
- Excellent interlayer adhesion;
- Great strength & aesthetics;
- Reliable bed adhesion.



Colours:

- K03017** Natural
- K03018** Black
- K03019** Red
- K03020** Grey

Additional info:

Recommended temperature for heated bed is $\pm 80-90^{\circ}\text{C}$.

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

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

Storage: Cool and dry ($15-25^{\circ}\text{C}$). 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	1,11 g/cc
MFR 260°C/5kg	ISO 1133	45 gr/10min.
Yield Stress	ISO 527 50mm/min.	47,5 Mpa
Strain at Break	ISO 527 50mm/min.	15%
Tensile (E) Modulus	ISO 527 1mm/min.	2020MPa
Impact Strength Charpy Method 23°C	ISO 179	18 KJ/m2

Thermal Properties

Description	Test Method	Typical Value
Printing Temperature	-	235-255°C
Melting Temperature	ISO 294	230 °C \pm 10°C
Vicat Softening Temp.	ISO 306	98°C

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