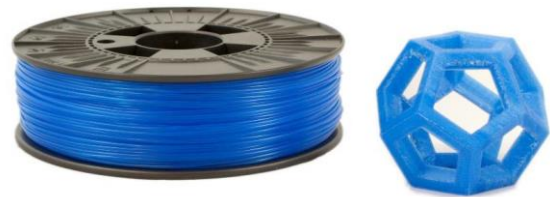


ICE FILAMENTS ABS+ PRODUCT CARD

ICE Filaments ABS+ is a transparent ABS filament, so strong, durable and impact resistant. Due to the low percentage of butadiene in ABS+, this filament smells much less unpleasant than ABS, and, moreover, also shows less warping. ICE Filaments ABS+ is inherently less impact resistant than ABS, but slightly modified our ABS+ filament is still approximately 3 times more impact resistant than any regular PLA in the market. The transparency of the polymer makes it also possible to manufacture deep opaque colours, if desired.

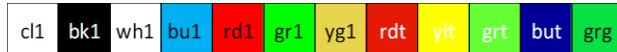
FEATURES:

- ∞ Translucent
- ∞ Not the unpleasant smell of ABS
- ∞ High impact ABS+
- ∞ Good chemical resistance
- ∞ Less warping than ABS



COLOURS:

ICE Filaments ABS+ is available from stock in a variety of colors. Other colors on request.



FILAMENT SPECS		
Size	Ø tolerance	Roundness
1.75mm	± 0,05mm	≥ 95%
2.85mm	± 0,10mm	≥ 95%

MATERIAL PROPERTIES		
Description	Testmethod	Typical value
Specific Gravity	ASTM D792	1,06 g/cc
MFR 220°C/10kg	ISO 1133	11 gr / 10 min
Tensile strength at yield	ISO 527	39 Mpa
Strain at break	ISO 527	45%
Flexural Modulus	ISO 178	1800 Mpa
Flexural Strength	ISO 178	59 Mpa
Impact Strength – Izod 23°C	ISO 180/A	22 Kj/m ²
Printing temperature	ICE FILAMENTS	220 – 260°C
Melting temperature	ISO 294	210 – 240°C
Transparency	ISO 13468	90%
Heat Deflection temperature	ISO 75	69°C

ADDITIONAL INFO:

Recommended temperature for heated bed is ± 90 – 100°C.

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

Storage: cool and dry (15 – 25°C) and away from UV light. This enhances the shelf life significantly.