ICE FILAMENTS
TRUIBROEK 65 – 3945 HAM
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ICE FILAMENTS ABS PRODUCT CARD

ICE Filaments ABS is an extra strong impact resistant filament, ideal for 3D printing of solid printed products. Due to the process stability and physical features of Acrylonitrile Butadiene Styrene it is a widely used thermoplastic polymer in industry. The material is also very light and durable. This makes ICE Filaments ABS particularly suitable for tools, toys and all kinds of utensils. Printed at a slightly over-average temperature for ABS, this filament gives extra strong print results.

FEATURES:

- Very high impact-resistance
- Extra strong
- Stable printing
- Light and durable
- Limited warping

COLOURS:

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

na1	bk1	wh1	bu1	rd1	gr1	yl1	or1	si1	pi1	ma1	go1	gy1	pu1	br1	bu2	gr2	yl2	rd2	wh2	ylf	orf	grf	clf	grg

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

MATERIAL PROPERTIES		
Description	**Testmethod**	**Typical value**
Specific Gravity	ISO 1183	1,03 g/cc
MFR 220°C/10kg	ISO 1133	5,5 cm^3 / 10 min
Tensile strength at yield	ISO 527	44 Mpa
Elongation at break	ISO 527 ½	9%
Tensile Modulus	ISO 527	2000 Mpa
Impact Strength – Charpy Method 23°C	ISO 179	35 Kj/m^2
Printing temperature	ICE FILAMENTS	220 – 260°C
Melting temperature	ISO 294	245°C ± 10°C
Vicat Softening temperature	ASTM D 1525	103°C

ADDITIONAL INFO:

Recommended temperature for heated bed is ± 90 – 110°C.
ICE Filaments ABS is printed at a slightly higher temperature to make the final product extra strong.
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.