

ICE FILAMENTS PC-ABS Flame Retardant PRODUCT CARD

ICE Filaments PC-ABS Flame Retardant is a halogen free flame retardant filament meeting the UL-94 V0 standard. Even though the high content of PC, for superb interlayer adhesion and dimensional accuracy, PC-ABS Flame Retardant still prints like ABS-like temperatures. A perfect solution in case self-extinguishing properties are required for your printed objects.

FEATURES:

- ∞ Flame retardant (UL-94 v0)
- ∞ Halogen free
- ∞ Superb interlayer adhesion
- ∞ High surface gloss
- ∞ Stable printing process



COLOURS:

ICE Filaments PC-ABS Flame Retardant is available from stock in 1 color. Other colors on request.

bk1

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	1,18 g/cc
MFR 260°C / 5 kg	ISO 1133	N.D.
Yield Stress	ISO 527	65,1 Mpa
Strain at break	ISO 527	62%
E-Modulus	ISO 527	2400 Mpa
Impact Strength – Izod method 23°C	ISO 180/A	12,5 kJ/m ²
Printing temperature	ICE FILAMENTS	240 – 270°C
Vicat softening temperature	ISO 306	110°C
Flammability rating	UL-94	v0

ADDITIONAL INFO:

Recommended temperature for heated bed is + 100°C. We recommend kapton and/or PVA Glue Stick for adhesion.

PC-ABS Flame Retardant can be used on most common desktop FDM or FFF technology 3D printers.

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