

## PC-ABS FR (COD.: PCABSFR)

PC-ABS FR 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 FR still prints at 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.

### Dimensions

Size	Ø Tolerance	Roundness
1,75mm	± 0,05mm	≥ 95%

### Physical Properties

Description	Test Method	Typical Value
Specific Gravity	ISO 1183	1,18 g/cc
MFI 260°C/5kg	ISO 1183	N.D.
Yield Stress	ISO 527 50mm/min.	65,1 Mpa
Strain at Break	ISO 527 50mm/min.	62%
Tensile (E) Modulus	ISO 527 1mm/min.	2400 Mpa
Impact Strength Izod Method 23°C	ISO 180/A	12,5 KJ/m <sup>2</sup>

### Thermal Properties

Description	Test Method	Typical Value
Printing Temperature	-	240-270°C
Melting Temperature	ISO 294	250°C ±10°C
Vicat Softening Temp.	ISO 306	± 110°C
Flammability Rating	UL-94	V0



### Colours:

**K03028** Black

### Additional info:

Recommended temperature for heated bed is +100°C. We recommend kapton and/or pva glue stick for adhesion.

PC-ABS FR 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.

**KLEVERFIL®**

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