

PC-ABS V0

PC-ABS V0 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 V0 still prints at ABS-like temperatures. A perfect solution in case self extinguishing properties are required for your printed objects.

Material features:

- Flame retardant (UL-94 V0)
- Halogen free
- Superb interlayer adhesion
- High surface gloss
- Stable printing process
- 'Yellow card' certified



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	1,17 g/cc
MFI 260°C/5 kg	ISO 1133	43 g/10min
Tensile strength at yield	ISO 527	60 MPa
Elongation strain at break	ISO 527	>50%
Tensile (E) modulus	ISO 527	2850 MPa
Flexural Strength	ISO 178	110 MPa
Flexural Modulus	ISO 178	2800 MPa
Impact Strength - Charpy method 23°C Notched	ISO 179 1eA	42,5 kJ/m2
Printing temp.	Internal method	270±10°C
Vicat Softening Temp.	ISO 306	104°C
Flammability-rating	UL-94	V0

Additional info:

Recommended temperature for heated bed is $\geq 100^{\circ}\text{C}$. We recommend kapton and / or pva glue stick for adhesion. PC-ABS V0 can be used on all common desktop FDM or FFF technology 3D printers.

Storage: Cool and dry ($15\text{-}25^{\circ}\text{C}$) and away from UV light. This enhances the shelf life significantly.

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