

## 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



### Colors :

PC-ABS V0 is available from stock in 1 color.



### 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
MFR 260 °C/5 kg	ISO 1133	43 g/10min
Yield Stress	ISO 527	60 MPa
Strain at break	ISO 527	>50%
E- modulus	ISO 527	2850 MPa
Flexural Strength	ISO 178	2800 MPa
Flexural Modulus	ISO 178	110 MPa
Impact Strength Charpy method 23 °C Notched	ISO 179	42,5 kJ/m2
Printing temp.	DF	260 ±10 °C
Vicat Softening Temp.	ISO 306	104 °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 V0 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.