

PC-ABS V0 @df

PC-ABS V0 @df 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.

Features:

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



Colours:

PC-ABS V0 @df is available from stock in 1 colour.
For other colours a minimum of 40 kg \pm 10% is required.

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Packaging:

PC-ABS V0 @df is available in nearly any type of packaging and labelling. Ask our team to help you customizing your product.

Additional info:

Recommended temperature for heated bed is +100°C. We recommend kapton and / or pva glue stick for adhesion. PC-ABS V0 @df 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.

Dimensions

Size	Ø tolerance	roundness
1,75mm	\pm 0,05mm	\geq 95%
2,85mm	\pm 0,10mm	\geq 95%

Physical properties

Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,18 g/cc
MFI 260 °C (5 kg)	ISO 1133	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 180-1A	12,5 KJ/m ²

Thermal Properties

Description	Testmethod	Typical value
printing temp.	DF	240-270°C
mellting temp.	ISO 294	250°C \pm -10°C
Vicat softening temp..	ISO 306	\pm 110°C
Flammability-rating	UL-94	V0