



Technical Document

RS PRO - PC-ABS FIREWIRE

Stock numbers:
174-0062 / 174-0063

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PC-ABS FIREWIRE 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 FIREWIRE 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:

RS PRO - PC-ABS FIREWIRE is available from stock in one colour: black

Packaging:

RS PRO - PC-ABS FIREWIRE is available in 500 grams packaging.



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 1183	N.D.
Tensile strength	ISO 527	65,1 Mpa
Strain at break	ISO 527	62%
E- modulus	ISO 527	2400 Mpa
Printing temp.	Print lab	260±10 °C
Vicat Softening Temp.	ISO 306	110 °C
Flammability-rating	UL-94	V0

Additional information:

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

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