



Datasheet

RS PRO - Recycled PLA

Stock numbers:

2325404 | 2325405 | 2325406 | 2325407 | 2325408 | 2325409 | 2325410 | 2325411 | 2325412 | 2325413 | 2325414 | 2325415
| 2325416 | 2325417 | 2325419 | 2325420 | 2325421 | 2325422 | 2325423 | 2325425 | 2325426 | 2325427 | 2325428 | 2325429
| 2325430 | 2325431 | 2325432 | 2325433 | 2325434 | 2325435 | 2325436 | 2325437

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At RS we have implemented a new process of recycling our own post-industrial waste, which couldn't directly be reused during production. We collect our own industrial waste by collecting per material (and most materials per color), shredder this per material and make it homogeneous by compounding and then extruding it again.

PLA is one of the best sellers in the 3D printing world. Naturally, reducing the waste streams of our PLA is our priority. As a recycled material, our RPLA (97% recycled) is now available in 8 different colours. We found out that print performance is almost the same (if not better) as our regular PLA.

Material features:

- Post Industrial waste (>97% recycled)
- Easy to print at low temperature
- Low warping
- Good first layer adhesion to several (un)heated print surfaces

Colours:

RS PRO - Recycled PLA is available from stock in a large selection of colours.

Packaging:

RS PRO - Recycled PLA is available in 500 grams packaging and 1 kg 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	1,24 g/cc
MFI 210 °C/2,16 kg	ISO 1133	11 g/10 min
Tensile strength at yield	ISO 527	63 MPa
Tensile strength at break	ISO 527	54 MPa
Elongation strain at break	ISO 527	4%
Tensile (E) modulus	ISO 527	3251 MPa
Impact strength - Charpy method 23 °C	ISO 179	2,2 kJ/m2
Printing temp.	Print Lab	210±10 °C

Additional information:

The recommended temperature for the heated bed is ≤60 °C. Recycled PLA 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.

- Bed adhesion: PEI, glass, hairspray or gluestick
- Print speed: Medium/high
- Fan speed: Medium/ high
- Drying: Optional

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