



Datasheet

RS PRO - PLA Tough

Stock numbers:

2325391 | 2325380 | 2325381 | 2325382 | 2325383 | 2325384 | 2325385 | 2325386 | 2325387 | 2325388 | 2325389 | 2325390 | 2325391 | 2325392 | 2325393 | 2325394 | 2325395 | 2325396 | 2325397 | 2325398 | 2325399 | 2325400 | 2325401 | 2325403

EN

PLA Tough is an excellent material if we look at the results in the layer adhesion. It perfectly suits the manufacturing aids where a high impact is needed. PLA Tough is easy to print and is printable with various print temperatures. The industrial look makes the material even more interesting.

Material features:

- Excellent material properties
- High impact and stiffness
- Suitable for applications which needs to be strong
- Industrial look
- Easy to print

Colours:

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

Packaging:

RS PRO - PLA Tough 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 | 1,21 g/cc |
| MFR 210 °C / 2,16kg | ISO 1133 | 8,75 g/10min |
| Tensile strength at yield | ISO 527 | 46 MPa |
| Tensile strength at break | ISO 527 | 19 MPa |
| Elongation strain at yield | ISO 527 | 2% |
| Elongation strain at break | ISO 527 | 27% |
| Tensile (E) modulus | ISO 527 | 2750 MPa |
| Impact strength - Charpy method at 23 °C Notched | ISO 179 | 29,8 kJ/m ² |
| Printing temp. | Print Lab | 210±10 °C |

Additional information:

Recommended temperature for heated bed is ≥60 °C. Adhesion is possible on different surfaces. PLA TOUGH 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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