

## Features

- UV / Weather resistant
- Zero warp technology
- Excellent interlayer adhesion
- Reliable bed adhesion (Glass, tape and other adhesives)

## 3D Printer Filament, ASA RS PRO 1.75mm Natural 250 gr

RS Stock No.: 0292144



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

## General Specifications

*This product is used for outdoor parts for long-term outdoor applications.*

## General Specifications

|                     |                                     |
|---------------------|-------------------------------------|
| Printing Technology | FDM                                 |
| Printing Material   | ASA                                 |
| Machine Specific    | No                                  |
| Colour              | Natural                             |
| For Use With        | Common Desktop 3D Printers          |
| Material Type       | ASA                                 |
| Print Speed         | 170 mm/s for 0.2mm layer height     |
| Bed Prep            | PEI tape is the ideal build surface |

## Mechanical Specifications

|                           |   |
|---------------------------|---|
| Diameter                  | 1.75 mm                                 |
| Weight                    | 250 gr                                  |
| Specific gravity          | 1,11 g/cc                               |
| MFI                       | 26 g/10 min                             |
| Tensile strength          | 47.5 MPa                                |
| Tensile Modulus           | 2020 Mpa                                |
| Impact strength           | 18 KJ/m <sup>2</sup>                    |
| Tolerance                 | ± 0.05mm                                |
| Roundness                 | ≥ 95%                                   |
| Spool weight              | 110 gr                                  |
| Spool size                | 14cm (D) x 44mm (h) & Hub diameter 52mm |
| Ovalidity Tolerance (Max) | ± 5%                                    |

**Operation Environment Specifications**

|                                    |                      |
|------------------------------------|----------------------|
| <b>Printing Temperature</b>        | 180 - 210°C          |
| <b>Melting Temperature</b>         | 240 - 260 °C ± 10 °C |
| <b>Melting Point</b>               | 230°C                |
| <b>Vicat softening Temperature</b> | ± 98°C               |
| <b>Storage Temperature</b>         | 15-25°C              |

**Approvals**

|                                  |                               |
|----------------------------------|-------------------------------|
| <b>Compliance/Certifications</b> | IEC / CE / CSA                |
| <b>Declarations</b>              | MFR Declaration of Conformity |