



Description

ESD-ABS (Conductive) filament is an antistatic filament and is used in the electronics industry. Our ESD filament is used to protect electronic components that are sensitive to electrostatic discharge.

Identification

| | |
|---------------|---|
| Name | ESD-ABS |
| Chemical Name | Acrylnitril-Butadien-Styrol |
| Usage | FDM 3D Printing |
| Manufacturer | Material 4 Print GmbH & Co. KG, Germany |

Properties

| Test | Value | Method |
|-------------------------|--------------------------------------|-------------|
| Specific Gravity | 1,10 g/cm ³ | ISO 1183 |
| Vicat, Rate A | 104 °C | ISO 306/A50 |
| HDT, 0.45 MPa | 88 °C | ISO 75/Bf |
| Tensile Strength | 32 MPa | ISO 527 |
| Yield strength | 40 MPa | ISO 527 |
| Tensile strain at break | 10 % | ISO 527 |
| Tensile strain at yield | 4 % | ISO 527 |
| Flexural Modulus | 1900 MPa | ISO 178 |
| Surface Resistance | >10 ⁶ - 10 ⁸ < | ASTM D257 |

If you have any further questions about the product or problems in its use, please contact info@material4print.de



Certificate



Certification depends on colors in the final product. More info in the additional information sheet.

Storage

Store at room temperature, out of direct heat and sunlight and in a dry place.

Print Settings

Nozzle Temperature: 235-250 °C
Bed Temperature: 90-110 °C