

# TECHNICAL DATA SHEET

## EasyFil PLA - Glow in the Dark

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### Product specifications

EasyFil PLA – Glow in the Dark offers all properties of EasyFil PLA, but with a unsurpassed bright green glow in the dark color effect.

### Important key features

Warp-free printing and no deformation after cooling  
Improved flowing behaviour and inter-layer adhesion  
Slightly softer than standard PLA resulting in improved strength and impact resistance

### Suitable applications

Home deco  
Art  
Signage

### Recommended pretreatment

#### Drying

Not necessary  
30 - 40 °C  
6 h

#### Print with

Enclosure No  
Dry box No

### Recommended print settings regular speed

Print speed 25 - mm/s  
Nozzle temperature 190 - 230 °C  
Bed temperature 50 - 70 °C  
Fan speed 80 - 100 %

### Material properties

|                  | Typical value | Unit of Measure   | Test method | Test condition |
|------------------|---------------|-------------------|-------------|----------------|
| Density          | 1,24          | g/cm <sup>3</sup> |             |                |
| Specific gravity |               |                   |             |                |
| Melt flow rate   | 8             | g/10min           | ISO 113-A   | 210°C/2,16kg   |

### Mechanical properties

|                           |      |                   |             |                     |
|---------------------------|------|-------------------|-------------|---------------------|
| Impact strenght           | ≤5   | kJ/m <sup>2</sup> | ISO 179-1eA | Charpy Notched 23°C |
| Tensile strenght at yield | 45   | MPa               | ISO 527-1   |                     |
| Tensile strenght at break |      |                   |             |                     |
| Tensile modulus           | 3500 | MPa               | ISO 527-1   |                     |
| Elongation at yield       |      |                   |             |                     |
| Elongation at break       |      |                   |             |                     |
| Flexural strenght         |      |                   |             |                     |
| Flexural modulus          |      |                   |             |                     |
| Rockwell hardness         |      |                   |             |                     |

### Thermal properties

|                              |       |    |
|------------------------------|-------|----|
| Melting temperature          | 155   | °C |
| Heat deflection temperature  |       |    |
| Vicat softening temperature  |       |    |
| Glass transition temperature | 55-60 | °C |

### Product export information

| HS code  | Description                  | Origin         |
|----------|------------------------------|----------------|
| 39169090 | Monofilament for 3D printing | European Union |

### Disclaimer

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