# Product name: Matt PLA

Formfutura Matt PLA (polylactic acid) is modified to have a rough and matt surface finish. Matt PLA has excellent 3D printing properties and combines a distinguished surface quality with fine details reinforced by its matt appearance.

| Properties | Typical value | Test Method | Test condition |
|---|---|---|---|
| **Physical** | | | |
| Specific gravity | 1.38 g/cc | ISO 1183 | - |
| Melt flow rate | 14 g/10min | ISO 1133 | 210° C/2,16Kg |
| Water absorption | - | - | - |
| Moisture absorption | - | - | - |
| **Mechanical** | | | |
| Impact strength | ±3.0 KJ/m² | - | - |
| Tensile strength | 46 Mpa (MD) | ISO 527 | @ yield |
| Tensile modulus | 3973 Mpa | ISO 527 | - |
| Elongation at break | - | - | - |
| Flexural strength | - | - | - |
| Flexural modulus | - | - | - |
| Hardness | - | - | - |
| **Thermal** | | | |
| Print temperature | ± 215 - 235° C | - | - |
| Melting termperature | - | - | - |
| Viscat softening temp. | ± 57° C | - | - |
| **Optical** | | | |
| Haze | - | - | - |
| Transmittance | - | - | - |
| Gloss | - | - | - |

| Product details, certifications and compliance | |
|---|---|
| HS Code | 39169090 |
| REACH compliant | Yes |
| RoHS certified | Yes |

| Diameter | Tolerance | Roundness |
|---|---|---|
| 1.75mm | ± 0.05mm | ≥ 95% |
| 2.85mm | ± 0.10mm | ≥ 95% |

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