

FILOALFA

RILIEVO AI TUOI PROGETTI
by Ciceri de Mondel

Feb, 2019

TECHNICAL DATE SHEET

PLA

BASE MATERIAL: Polylactic acid

PROPERTIES

| PROPERTIES | VALUE | METOD AND CONDICTION | |
|----------------------------------|------------------------------|----------------------|-------|
| PHYSICAL & MECHANICAL | Density | 1,24 g/cm3 | D792 |
| | Hardness/ Flexure Modulus | 3,8 Gpa | D790 |
| | Tensile strength | 53 Mpa | D882 |
| | Tensile Modulus | 3,6 Mpa | D882 |
| | Tensile Elongation | 6% | D882 |
| THERMAL | Melting point | 135°C | D1003 |
| | Heat Deflection Temperature | 55°C | E2092 |
| | Viscat Softening Temperature | 55-60°C | D3418 |
| | Flammability: | | |
| | Burging Rate | ND | |
| Flame Rating | ND | | |

SUGGESTED PRINTER SETTING

| | VALUE | UNIT |
|----------------------|-----------|--------|
| Extruder Temperature | 170 – 210 | °C |
| Print Speed | 40 – 120 | mm/sec |
| Bed Material | 0 – 50 | °C |

PRODUCT DETAILS & CERTIFICATION

| | | |
|--|--------------------|--|
| Diameter | 1,75 mm 2,85 mm | Tollerance ± 0,05mm Tollerance ± 0,10mm |
| REACH compliant FDA compliant ROHS certified | | compliant compliant granule / raw material compliant |

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