

**IDENTIFICATION OF THE MATERIAL**

Trade name	PP
Chemical name	Polypropylene
Chemical family	-
Use	3D printing
Brand	3dcolors

**GUIDELINE FOR PRINT SETTINGS - Settings are based on a 0.4 mm nozzle**

Nozzle temperature	240 ± 10 °C
Bed temperature	0 - 100 °C
Bed modifications	PP tape or specifics PP adhesives
Active cooling fan	Yes (up to 100%)
Layer height	0.08 - 0.2 mm
Layer thickness	0.4 - 0.8 mm
Print speed	40 - 80 mm/s

**THERMAL PROPERTIES**

		Test Method
Melting temperature	205±15°C	-
Printing temperature	240 ± 10 °C	/
Vicat softening temp.	103 °C	-

**FILAMENT SPECIFICATIONS AND TOLERANCE**

Diameter 1.75	1.75 ± 0.05 mm
Roundness	95%
Net weight on reel	500 g ± 2%

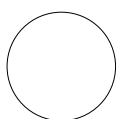
*Think it, make it*

PHISICAL PROPERTIES	Typical value	Test Method
Specific gravity	0,9 g/cc	ASTM D1505
MFR 230°C (2.16kg)	8,0 g/10 min	ISO 1133
Tensile strength	12 MPa	ASTM D638
Strain at break	>600%	ASTM D638
Flexural modulus	402 MPa	ASTM D790
Hardness	50D	ASTM D2240

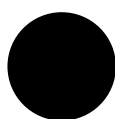
#### PLA MATT FEATURES:

- High chemical & Fatigue resistance
- High elongation before break
- Superb layer adhesion
- Suitable for food contact articles
- Dishwasher & Microwave safe

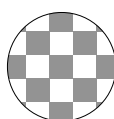
#### LIST OF COLOURS:



White  
RAL 9003



Black  
RAL 9017



Clear  
RAL N.D.

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