

TECH PLA 607

Material	PLA polylactide
Color	Black, Natural, Orange, Red, White, Green, Yellow, Brown, Silver, Blue
Properties	Eco-friendly, high heat and impact grade
Diameter	1.75mm / 2.85mm
Diameter tolerance	+/- 0.03mm
Tolerance roundness	98%
Printing temperature	190-220 °C
Heatbed temperature	0-60 °C
Net weight	0.5kg / 1 kg / 3kg / 9kg
Gross weight	0.85kg / 1.4kg / 3.95kg / 10.4kg
Spool dimensions	200x52x43mm / 200x52x80mm / 200x52x100mm / 355x35x165mm
Packaging	Vacuum packaging, carton box, moisture absorber



Properties of the PLA material

PHYSICAL PROPERTIES	UNIT	ASTM METHOD
SPECIFIC GRAVITY, G/CC	1.22	D792
MFR, G/10 MIN	5-7	D1238
RELATIVE VISCOSITY	4.0	D5225
GLASS TRANSITION TEMPERATURE, °C	55-60	D3418
MECHANICAL PROPERTY		
TENSILE YIELD STRENGTH, PSI (MPA)	4,760 (33)	D638
TENSILE STRENGTH AT BREAK, PSI (MPA)	4,350 (323)	D638
TENSILE MODULUS, PSI (MPA)	348,440(2402)	D638
TENSILE ELONGATION, %	2,3	D638
NOTCHED IZOD IMPACT, FT-LB/IN (J/M)	6,05 (323)	D256
HEAT DISTORTION TEMPERATURE, °C 66 PSI (0.45 PA)	80-90	E2092