



# LOTACTREE

## Engineering Plastics

**Produce name:** PLA-SILK

**Application:** FDM

**Printing temperature:** 210-235°C

**Bed temperature:** 40-60°C

**Reference test temperature:** 【Generic PLA-SILK】 Parameter default, printing temperature 220°C, hot bed temperature 55°C.

\*Strongly recommended open-environment printing.

Performance	Test Condition	Standards	Unit	Values
MFR	190°C/2.16kg	GB/T3682	g/10min	7.5
HDT	0.45mpa/0.341mm	GB/T1634	°C	55
Density	//	D792	g/cm <sup>3</sup>	1.21
Shore Hardness	//	ASTM D2240	D	76
Bending strength	10*4.5mm sample	YB/T 5394	cN/tex	48.91
Flexural Modulus	10*4.5mm sample	YB/T 5394	cN/tex	1400
Tensile Strength	10*4.5mm sample	GB/T1040	MPa	36.85
Elongation at break	10*4.5mm sample	ISO 527	%	5.2
Impact strength	10*4mm sample (notch)	GB/T1843	kJ/m <sup>2</sup>	9.183

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