



LOTACTREE

Engineering Plastics

Product name: PLA-E

Application: FDM

Printing temperature: 220-240°C

Bed temperature: 0-60°C

Reference test temperature: 【Generic PLA】 Parameter default, printing temperature 225°C, hot bed temperature 40°C.

*Strongly recommended open-environment printing.

Performance	Test Condition	Standards	Unit	Values
Density	23°C	ISO 1183	g/cm ³	1.265
MFR	220°C/2.16kg	ISO 1133	g/10min	9.7
Vicat softening point	//	ISO 306	°C	67.3
Rockwell Hardness	//	ISO 2039-2	HRR	76
HDT	0.45mpa/0.341mm	ISO 75	°C	53.5
Tensile Strength	10*4.5mm sample	ISO 527-2	MPa	29.7
Elongation at break	10*4.5mm sample	ISO 527-2	%	429.7
Bending strength	10*4.5mm sample	ISO 178	MPa	33.7
Flexural Modulus	10*4.5mm sample	ISO 178	GPa	1186.6
Impact strength	10*4mm sample	ISO 180/1A	kJ/m ²	62.4

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