

Technical Datasheet Performa PLA

General information

Trade name	Performa PLA Filament
Polymer name	Poly Lactic Acid

Filament specifications

Trade diameter	1.75mm		3mm	
Physical diameter	1.75	mm	2.85	mm
Tolerance	0.05	mm	0.10	mm

Material specifications

Property	Value	Unit	Test Method
<i>Physical</i>			
density	1.24	g/cm ³	ASTM D1505
melt mass flow rate (MFR)	6	g/10min	ASTM D1238
<i>Mechanical</i>			
tensile strength MD/TD	15/20	kpsi	ASTM D882
tensile modulus MD/TD	460/575	kpsi	ASTM D882
elongation @ break MD/TD	165/110	%	ASTM D882
<i>Thermal</i>			
melting point	135	°C	ASTM D1003
glass transition temperature	55-60	°C	ASTM D3418

Notes

- the above values are measured on uncolored raw material. Actual material properties may differ depending on color additives.
- properties may change depending on actual printer settings



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