

Technical Datasheet Wood Filament

General information

Trade name	Octofiber Wood Fiber Filament
Polymer name	Wood fiber reinforced 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	1.19	g/cm ³	ASTM D1505
melt mass flow rate (MFR)	7	g/10min	ASTM D1238
<i>Mechanical</i>			
tensile strength MD/TD	10/14	kpsi	ASTM D882
tensile modulus MD/TD	275/334	kpsi	ASTM D882
elongation @ break MD/TD	160/105	%	ASTM D882
impact strength	2.5	7,0 kJ/m ²	
<i>Thermal</i>			
melting point	140	°C	ASTM D1003
glass transition temperature	45	°C	ASTM D3418
printing temperature	201-230	°C	

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

