



## Technical Datasheet PLA

### General information

Trade name	AFT 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
Physical			
Density	1.24	g/cm <sup>3</sup>	ASTM D1505
Melt mass flow rate	6	g/10min	ASTM D1238
Mechanical			
tensile strength MD/TD	16/21	kpsi	ASTM D882
tensile modulus MD/TD	480/560	kpsi	ASTM D882
elongation @ break MD/TD	160/100	%	ASTM D882
Spencer impact			
	2.5	J	
Thermal			
melting point	135	°C	ASTM D1003
glass transition temperature	55-60	°C	ASTM D3418

