

PLA

Polylactide

% by w	Content
> 99 %	Polylactide Polymers
< 1 %	Additives

Physical	Test Method	Nominal Value (SI)
Specific Gravity	ASTM D-792	1.24 $\frac{g}{cc}$
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	ASTM D-1238	7 g/10 min
Glass Transition Temperature	ASTM D-3418	60-63 °C
Mechanical		
Tensile Strength		
Yield	ASTM D-882	60.0 MPa
Modulus	ASTM D-882	3.6 MPa
Break	ASTM D-882	53.0 MPa
Tensile Elongation	ASTM D-882	6.0 %
Flexural Modulus	ASTM D-790	3.8 MPa
Flexural Strength	ASTM D-790	83 MPa
Impact		
Charpy Notched Impact Strength	ISO 179	75 $\frac{kJ}{m^2}$
Notched Izod Impact	ASTM D-256	16 $\frac{J}{m}$
Thermal		

Deflection Temperature Under Load		
66 psi (0.45 MPa), Unannealed	ASTM E-2092	55 °C