

Technical Data Sheet

SCHULARENE™ N3102

Polylactic Acid
Custom Powders

Product Description

Schularene™ N3102 is a standard purpose PLA with medium flow.
As powder it's used for laminating adhesive in textile or automotive applications.
We recommend for most applications pre-drying before processing.

General

Features	• General Purpose • Good Adhesion	• Medium Flow • Renewable Resource Content
Uses	• Automotive Applications	• Textile Applications
Appearance	• Natural Color	
Forms	• Powder	
Processing Method	• Coating	• Laminating

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.24 g/cm³	1.24 g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (210°C/2.16 kg)	16 g/10 min	16 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	508000 psi	3500 MPa	ASTM D638
Tensile Strength	> 7250 psi	> 50.0 MPa	ASTM D638
Tensile Elongation (Break)	> 3.0 %	> 3.0 %	ASTM D638
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	< 2.4 ft·lb/in²	< 5.0 kJ/m²	ISO 179
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Glass Transition Temperature	140 to 145 °F	60.0 to 63.0 °C	DSC
Peak Melting Temperature	338 to 356 °F	170 to 180 °C	DSC

Notes

These are typical property values not to be construed as specification limits.