

SCHULARENE™ N3102

Polylactic Acid
A. Schulman Europe

Message:

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 Information	
Features	Updatable resources
	Good adhesion
	Medium liquidity
	General
Uses	Textile applications
	Application in Automobile Field
Appearance	Natural color
Forms	Powder
Processing Method	Lamination method
	Coating

Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (210°C/2.16 kg)	16	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3500	MPa	ASTM D638
Tensile Strength	> 50.0	MPa	ASTM D638
Tensile Elongation (Break)	> 3.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	< 5.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	60.0 - 63.0	°C	DSC
Peak Melting Temperature	170 - 180	°C	DSC

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