

# Technical Data Sheet

## TECHNICAL DATA SHEET

Revision date	11/08/2021
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Language	English
Product availability	Global
Product status	Samples & Commercial

## DESCRIPTION

Polylactic acid (PLA) is a biodegradable and biobased thermoplastic polymer derived from natural resources (corn starch). PLA is applicable for a variety of uses including the production of plastic films, plastic bottles, fibers, medical applications, food packaging, and others.

## TYPICAL PROPERTIES

Item	Unit	Typical value
Appearance	/	PLA pellets
Density	/	1,24
Moisture Content	%	≤ 0,04
Residual Lactide	%	≤ 0,3
MFI (190°C/2,16 kg)	g/10 min	4
D(-) Content	%	4
Melting Temperature	°C	155
Glass transition temperature	°C	60
Tensile Strength	MPa	45
Elongation at Break	%	≤ 5

## PACKAGING

Packed in 900 kg big bags or 25 kg small bags, filled with nitrogen for protection.

## TRANSPORTATION

It is strictly forbidden to use sharp tools such as iron hooks during loading and unloading. During transportation, the goods must not be exposed to sunlight or rain, or mixed with sand, scrap metal, coal, etc., and not mixed with toxic, corrosive, and flammable materials.