



Despriet Gebroeders NV
Looplife Polymers Site
Nijverheidsstraat 2 (B5)
B-2235 Huslhout, Belgium
info@looplife-polymers.eu
www.looplife-polymers.eu

TECHNICAL DATA SHEET

LOOPLIFE r-PLA

Biopolymer

R-PLA20A-30-MK / GRADE

REPROCESSED POLYLACTIDE / PRODUCT NAME

Description

r-PLA grades from LOOPLIFE POLYMERS are reprocessed material obtained from sources of polylactide (PLA) which is a biodegradable, thermoplastic polyester derived from renewable resources through fermentation of agricultural by-products such as corn starch or other carbohydrate-rich substances like maize, sugar or wheat.

R-PLA grades are a sustainable alternative to petrochemical-derived products and have a wide range of applications. They are not suitable for food-contact applications.

PHYSICO-CHEMICAL PROPERTIES

Chemical name	Polylactide resin						
Granulometry	pellets/g	30	-	95	Residual moisture	ppm	Max 3000
Density	g/cm ³	1,26			Ash content @450°C	%	1,7
Melt index @190°C, 2,16kg	g/10 min	15	-	30	Melt index @230°C, 2,16kg	g/10 min	-
Melt index @190°C, 5kg	g/10 min		-		Melt index @230°C, 5kg	g/10 min	-

MECHANICAL PROPERTIES

Stress at yield	MPa	out of range (>2500N)	Tensile modulus	MPa	3067
Stress at break	MPa	out of range (>2500N)	IZOD	kJ/m ²	3,6
Flex modulus	MPa	3496	Strain at Yield	%	
Tensile strength	MPa		Strain at Break	%	

SENSORY CHARACTERISTICS

Clarity	Translucid
Shape	Spherical to cylindrical
Color	Natural milky to crystal clear

PURITY

Other fraction	Contains less than 0,2% nucleating agent
----------------	--

REGISTRATION

CAS nummer	9051-89-2
------------	-----------

PACKAGING

Standard: Octabin with PE liner (700kg Net Weight)

PROCESSING INFORMATION

For some applications, this product must be dried before use

TRANSPORT STORAGE CONDITIONS

Cool and dry place. Keep at temperature below 50°C (122 °F)

Do not stack more than 2 octabins

SHELF-LIFE

Shelf-life	18 months
------------	-----------