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TECHNICAL DATA SHEET

LOOPLIFE r-PLA

Biopolymer

R-PLA05A-30-MK / GRADE

RECYCLED POLYLACTIDE / PRODUCT NAME

Description

r-PLA grades from LOOPLIFE POLYMERS are recycled 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		Poly lactide resin
Granulometry	<i>pellets/g</i>	30 - 95
Density	<i>g/cm³</i>	1,24
Melt index @190°C, 2,16kg	<i>g/10 min</i>	3 - 7
Melt index @190°C, 5kg	<i>g/10 min</i>	-
Melt index @190°C, 10kg	<i>g/10 min</i>	-
Residual moisture	<i>ppm</i>	Max 3000
Ash content @450°C	<i>%</i>	0,2
Stress at yield	<i>MPa</i>	Out of range 2500N
Stress at break	<i>MPa</i>	out of range 2500N
Flex modulus	<i>MPa</i>	3120
Tensile modulus	<i>MPa</i>	3000
IZOD	<i>kJ/m²</i>	4,5

SENSORY CHARACTERISTICS

Clarity	Translucent
Shape	Spherical to cylindrical
Color	Milky

PURITY

Other fraction	Charge
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REGISTRATION

CAS nummer	9051-89-2
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PACKAGING

Standard: Octabin with PE liner (650kg 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
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