

ECOPOND[®] Modified Polylactic acid

G200 S15

Production Description

FEATURES	APPLICATIONS
<ul style="list-style-type: none"> Totally biodegradable, compostable Excellent toughness 	<ul style="list-style-type: none"> Excellent Property Cost-effective Food Contact

Typical Properties

Properties ^[1]	Test Method	Test Condition	S.I. Units	Values ^[2]
Granules				
Melt Flow Rate	ISO 1133	190°C, 2.16 kg	g/10min	2.0-7.0
Specific Gravity	ISO 1183	23°C	g/cm ³	1.28-1.42
Mechanical Properties				
Tensile Strength	D638	50mm/min	MPa	40.6
Elongation at break	D638	50mm/min	%	8
Flexural Strength	D790	2mm/min	MPa	58.3
Flexural Modulus	D790	2mm/min	MPa	2200

[1] Tested with freshly blowing film, not to be construed as specifications.

[2] The listed values are measured by test specification and used for referential purpose only.

Quality Control

The melt flow rate, MFR, at 190°C, 2.16 kg, according to ISO 1133 has been defined as specified parameter for quality control. A certificate can be provided with each lot number upon request. In order to obtain a high accuracy for the MFR measurement, the granules should be dried for 5 hours at 80°C. Other data given in our literature are typical values, which are not part of our product specification.

Form Supplied and Storage

Temperatures during transportation and storage should not exceed 70°C at any time. Storage time is not suggested to be over 12 months under proper conditions in an unopened bag, the product should be used as soon as possible when the package is opened.

Trade name	Net weight
G200 S15	25 kg/package

Processing Conditions

- Well packaged products can be used directly. If the package is damaged before use, the product should be dried prior to processing. Moisture levels above 1000 ppm may affect operation;
- Effective drying takes place at 60°C for 5 hours.
- Processing parameters :

Temperature zone		Set value ^[1]	Range
Melt Temperature		190°C	160-225°C
Barrel Zone Temperature	Rear	185°C	160-225°C
	Center	185°C	160-225°C
	Front	185°C	160-225°C
Die Head Temperature		185°C	160-225°C
Processing Temperature Limit		225°C	

[1] The data sheet is just for reference. In actual process, the parameter should be adjusted.

Safety Advice

Direct contact with the melting resin should be avoided during processing operations. The processing area should be well ventilated, as during processing the materials might emit fumes containing decomposing substances, which may be irritating. We recommends that clients should investigate the application demand of their products in advance to ensure proper use of this product, and feel free to contact with us for technical support when necessary.



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