

Jamplast JPPLA

Polylactic Acid

Jamplast, Inc.

Message:

JPPLA is a thermoplastic resin intended for higher heat applications. Derived primarily from annually renewable resources, it is specifically designed for extrusion/thermoforming applications. JPPLA is opaque and processes easily on conventional extrusion and thermoforming, and injection equipment.

General Information	
Features	Biodegradable High Heat Resistance Renewable Resource Content
Uses	Bottles Cups Food Containers Food Service Applications
Appearance	Opaque
Forms	Pellets
Processing Method	Extrusion Thermoforming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	62.1	MPa	
Break	55.8	MPa	
Tensile Elongation (Break)	3.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	20	J/m	ASTM D256
Extrusion	Nominal Value	Unit	
Drying Temperature	70.0	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.025	%	
Adapter Temperature	199	°C	
Melt Temperature	193	°C	
Die Temperature	199	°C	

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