

EcolGreen EGP-104

Polylactic Acid

EcolBiotech Co., Ltd

Message:

EGP-100 Series is a 100% biodegradable plastic resin and possible for injection forming. With excellent hardness, humidity resistance and chemical resistance, it can replace universal plastics.

EGP-104 : Semi-opaque injection (Sealing containers and Korean paper-caps)

General Information			
Features	Biodegradable		
	Good Chemical Resistance		
	High Hardness		
	Humidity Resistant		
Uses	Containers		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	45.5	MPa	ASTM D638
Tensile Elongation (Break)	26	%	ASTM D638
Flexural Strength	72.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	430	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature	60	°C	ASTM D648

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