

EcolGreen EGP-100

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-100 : General Grade injection (Everyday necessities) Grade

General Information			
Features	Biodegradable		
	General Purpose		
	Good Chemical Resistance		
	High Hardness		
	Humidity Resistant		
Uses	General Purpose		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	82		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	31.7	MPa	ASTM D638
Tensile Elongation (Break)	11	%	ASTM D638
Flexural Strength	58.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	480	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature	62	°C	ASTM D648

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