

Eco Cool Plus CMP 05

Poly(lactic Acid)
EcolBiotech Co., Ltd

Message:

Overcomes heat resistance & shrinkage of PLA & PBS
Physical properties applicable to heat resistant,
injection and IT products
Applicable to sheets, air permeable film
blow containers, etc.

General Information			
Features	Biodegradable		
Uses	Blown Containers		
	Film		
	Sheet		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Processing Method	Blow Molding		
	Injection Molding		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Water Absorption (Equilibrium)	0.14	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	45		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	29.2	MPa	ASTM D638
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	38	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	147	°C	
Specific Heat	1340	J/kg/°C	Internal Method
Thermal Conductivity	1.0 to 2.0	W/m/K	Internal Method
Thermal Diffusivity	0.410	cSt	Internal Method
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94

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