

ECO PELLET® LA17C

Polylactic Acid + ABS

UMG ABS, Ltd.

Message:

ECO PELLET® LA17C is a Polylactic Acid + ABS (PLA+ABS) material. It is available in Asia Pacific or North America for injection molding.

Important attributes of ECO PELLET® LA17C are:

RoHS Compliant

Eco-Friendly/Green

General Information			
Features	Renewable Resource Content		
RoHS Compliance	RoHS Compliant		
UL File Number	E47016		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.28	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (200°C/10.0 kg)	59.0	cm ³ /10min	ISO 1133
Molding Shrinkage - Flow (23°C)	0.80 to 1.1	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	106		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (23°C)	40.0	MPa	ISO 527-2
Flexural Modulus ¹ (23°C)	3500	MPa	ISO 178
Flexural Stress ² (23°C)	67.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	21	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	78.0	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0 to 5.0	hr	
Rear Temperature	150 to 190	°C	
Middle Temperature	170 to 210	°C	
Front Temperature	180 to 220	°C	
Nozzle Temperature	170 to 210	°C	
Processing (Melt) Temp	200 to 230	°C	
Mold Temperature	100	°C	
Injection Pressure	70.0 to 130	MPa	
Injection Rate	Slow-Moderate		

Back Pressure	5.00 to 10.0	MPa
Screw Speed	30 to 70	rpm
NOTE		
1.	2.0 mm/min	
2.	2.0 mm/min	

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Recommended distributors for this material

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