

Jackdaw PLA HW18NT6651

Polylactic Acid
Jackdaw Polymers

Message:

Jackdaw PLA HW18NT6651 is a Polylactic Acid (PLA) product. It is available in Europe. Primary characteristic: eco-friendly/green.

General Information			
Features		Renewable Resource Content	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (170°C/2.16 kg)	1.2	g/10 min	ISO 1133
Molding Shrinkage			Internal Method
Across Flow	0.40	%	
Flow	0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5600	MPa	ASTM D638, ISO 527-2
Tensile Strength			
Yield	38.0	MPa	ASTM D638, ISO 527-2
Break	37.0	MPa	ISO 527-2
--	37.0	MPa	ASTM D638
Tensile Elongation			ASTM D638, ISO 527-2
Yield	1.5	%	
Break	1.5	%	
Flexural Modulus	4700	MPa	ASTM D790, ISO 178
Flexural Strength	50.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength ¹	8.50	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength	8.5	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	48.0	°C	ASTM D648, ISO 75-2/A
Melting Temperature	148	°C	ISO 1218, ASTM D2117
NOTE			
1.	Method A		

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