



RavaBio® 72 T 10 I

Ravago Manufacturing Europe - Thermoplastic Polyester

General Information

Product Description

RavaBIO 72 T 10 I is a mineral filled, bio polyester compound, developed for injection moulding applications for the packaging industry. Excellent surface and properties.

RavaBIO 72 T 10 I is considered as compostable compound, 100% bio-based.

General

Material Status	• Commercial: Active	
Availability	• Europe	• North America
Filler / Reinforcement	• Mineral	
Features	• Compostable	• Renewable Resource Content
Uses	• Packaging	
Processing Method	• Injection Molding	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (210°C/2.16 kg)	45	g/10 min	ISO 1133
Biobased Carbon Content	100	%	
Ash Content (600°C)	20	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3900	MPa	ISO 527-1
Tensile Stress (Yield, 23°C)	50.0	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	35.0	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	2.5	%	ISO 527-2
Tensile Strain (Break, 23°C)	10	%	ISO 527-2
Flexural Modulus (23°C)	4000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179
Notched Izod Impact Strength (23°C)	5.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 0.45 MPa, Unannealed	55.0	°C	ISO 75-2/B
Deflection Temperature Under Load 1.8 MPa, Unannealed	50.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	60.0	°C	ISO 306/B50
--	115	°C	ISO 306/A120

Notes

¹ Typical properties: these are not to be construed as specifications.