



RavaBio® 42 T 10 I

Ravago Manufacturing Europe - Thermoplastic Polyester

General Information

Product Description

RavaBIO 42 T 10 I is a mineral filled, bio polyester compound, developed for injection molding applications for the packaging industry. Excellent surface and properties.

RavaBIO 42 T 10 I is considered as compostable compound and it can be recyclable.

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (210°C/2.16 kg)	6.0	g/10 min	ISO 1133
Ash Content (600°C)	22	%	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 Strain (Yield, 23°C)	3.0	%	ISO 527-2
Tensile Strain (Break, 23°C)	16	%	ISO 527-2
Flexural Modulus (23°C)	4100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	10	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 0.45 MPa, Unannealed	65.0	°C	ISO 75-2/B
Deflection Temperature Under Load 1.8 MPa, Unannealed	53.0	°C	ISO 75-2/A

Notes

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