



RavaBio® 91 T 20 S

Ravago Manufacturing Europe - Thermoplastic Polyester

General Information

Product Description

RavaBio 91 T 20 S is a mineral filled, bio polyester - TPS compound, developed for injection molding applications for the packaging industry. Excellent surface and properties.

RavaBio 91 T 20 S is considered as compostable compound.

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	1.33	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	18	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3700	MPa	ISO 527-1
Tensile Stress (Yield, 23°C)	45.0	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	35.0	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	2.0	%	ISO 527-2
Tensile Strain (Break, 23°C)	7.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	4.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 0.45 MPa, Unannealed	49.0	°C	ISO 75-2/B
Deflection Temperature Under Load 1.8 MPa, Unannealed	44.0	°C	ISO 75-2/A
Vicat Softening Temperature	54.0	°C	ISO 306/B50

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	45 to 60	°C
Drying Time	4.0 to 5.0	hr
Processing (Melt) Temp	< 210	°C
Mold Temperature	30 to 60	°C

Notes

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