RavaBio® 1020 S

Ravago Manufacturing Europe - Thermoplastic Polyester

General Information

Product Description

RavaBio 1020 S is a low flow bio polyester compound based, developed for blow film applications and packaging industry.

RavaBio 1020 S is considered as compostable compound.

General			
Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Filler / Reinforcement	• Mineral		
Features	• Compostable	• Low Flow	• Renewable Resource Content
Uses	• Film	• Packaging	
Processing Method	• Blown Film		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	250	MPa	ISO 527-1
Tensile Stress (Yield, 23°C)	12.0	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	35.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	360	%	ISO 527-2
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	40	µm	
Tensile Modulus (23°C, 40 µm)	150	MPa	ISO 527-3
Tensile Strength			ISO 527-3
MD : 23°C, 40 µm	8.00	MPa	
TD : 23°C, 40 µm	13.0	MPa	
Tensile Elongation (Break, 23°C, 40 µm)	330	%	ISO 527-3

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	155	°C
Cylinder Zone 2 Temp.	160	°C
Cylinder Zone 3 Temp.	165	°C
Cylinder Zone 4 Temp.	170	°C
Adapter Temperature	165	°C
Melt Temperature	< 190	°C
Die Temperature	165	°C

Notes

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