

RavaBio® 72 T 10 I

Bio based compound

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

MFI (210°C/2,16kg)	ISO 1133	45	g/10min
Density	ISO 1183	1,37	g/cm ³

Thermal

HDT/A (1,82MPa)	ISO 75A	50	°C
HDT/B (0,46MPa)	ISO 75B	55	°C
Vicat softening point (B50 (50N))	ISO 306	60	°C
Vicat softening point (A120 (10N))	ISO 306	115	°C

Mechanical

Izod notched impact strength (23 °C)	ISO 180	5	kJ/m ²
Charpy notched impact strength (23 °C)	ISO 179	5	kJ/m ²
Tensile strength at yield (23 °C)	ISO 527	50	MPa
Tensile strength at break (23 °C)	ISO 527	35	MPa
Elongation at yield (23 °C)	ISO 527	2,5	%
Elongation at break (23 °C)	ISO 527	10	%
Tensile modulus (23 °C)	ISO 527	3900	MPa
Flexural modulus (23 °C)	ISO 178	4000	MPa

Various

Ash content (600 °C)	ISO 3451	20	%
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Remark:

Processing guideline:

It is a bio polyester compound, highly hygroscopic. Before processing it needs to be pre-dried, preferably with a dehumidification process, 4-6 hours at 45-60 °C.

Cylinder temperatures 140 °C to 180 °C due to high flow characteristic. Melt temperature preferably not higher than 200 °C. Desirable 185 °C. Mould temperature, 30 to 60 °C.

PROVISIONAL DATASHEET

The data and information contained herein are typical average values, based on our current level of knowledge and experience, and do not constitute sales specifications. No liability, warranty or guarantee of product performance is created by this document. Ravago Recycled Quality are ISO 14021:2016 compliant. Even though the selection of the raw materials, the production and the quality control is being done following to the common best practices, it is the buyer's responsibility to inspect and test our products in order to determine the suitability for the buyer's application

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Issue Date:
Feb 2023

Page 1 of 1