

RavaBio[®] 42 T 10 I

Bio based compound

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

MFI ((210°C/2,16kg))	ISO 1133	6	g/10min
Density	ISO 1183	1,41	g/cm ³

Thermal

HDT/A (1,82MPa)	ISO 75A	53	°C
HDT/B (0,46MPa)	ISO 75B	65	°C

Mechanical

Izod notched impact strength (23 °C)	ISO 180	10	kJ/m ²
Tensile strength at yield (23 °C)	ISO 527	50	MPa
Tensile strength at break (23 °C)	ISO 527	-	MPa
Elongation at yield (23 °C)	ISO 527	3	%
Elongation at break (23 °C)	ISO 527	16	%
Tensile modulus (23 °C)	ISO 527	3900	MPa
Flexural modulus (23 °C)	ISO 178	4100	MPa

Various

Ash content (600 °C)	ISO 3451	22	%
----------------------	----------	----	---

Remark:

Processing guideline:

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

Cylinder temperatures 140 to 180 °C, melt temperature preferably not higher than 210 °C. Desirable 185 °C. Mould temperature, 30 to 60 °C.