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RavaBio® 1010S

Bio based compound

Datasheet

Description:

RavaBio 1010S is a low flow bio polyester compound based, developed for extrusion, for packaging applications, blow film, cast.

Due to improved melt strength RavaBio 1010S is also suitable for 3D printing filaments.

RavaBio 1010S is considered as compostable compound.

General

MFI ((210ºC/2,16kg))	ISO 1133	4	g/10min

Mechanical

Elongation at break (Film 40 µm)	ISO 527	6	MPa
Tensile modulus (Film 40 µm)	ISO 527	2000	MPa
Tensile strength MD (Film 40 µm)	ISO 527	36	MPa
Tensile strength TD (Film 40 µm)	ISO 527	28	MPa
Tensile strength at yield (23 ºC)	ISO 527	42	MPa
Elongation at break (23 ºC)	ISO 527	7	%
Tensile modulus (23 ºC)	ISO 527	2150	MPa

Remark:

Drying

It is a bio polyester compound, highly hygroscopic, before processing needs to be pre-dried, preferable on a dehumidification process, 4 -6 hours at 45-60ºC.

Processing conditions for blown film extrusion

Feeding Zone 40-60 ºC
Zone 1 155 ºC
Zone 2 160 ºC
Zone 3 165 ºC
Zone 4 170 ºC
Adapter 165 ºC
Die 165 ºC
Mass temperature Max. 190 ºC