

RavaBio[®] 1020 S

Bio based compound

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

MFI (190°/2,16kg)	ISO 1133	2	g/10min
Density	ISO 1183	1,27	g/cm ³

Mechanical

Tensile modulus (Film 40 µm)	ISO 527	150	MPa
Tensile strength TD (Film 40 µm)	ISO 527	13	MPa
Tensile strength MD (Film 40 µm)	ISO 527	8	MPa
Elongation at break (Film 40 µm)	ISO 527	330	MPa
Tensile strength at yield (23 °C)	ISO 527	12	MPa
Tensile strength at break (23 °C)	ISO 527	35	MPa
Elongation at break (23 °C)	ISO 527	360	%
Tensile modulus (23 °C)	ISO 527	250	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 45-60°C.

Processing conditions for blown film extrusion

Feeding Zone 40-60 °C

Zone 1 155 °C

Zone 2 160 °C

Zone 3 165 °C

Zone 4 170 °C

Adapter 165 °C

Die 165 °C

Mass temperature Max. 190 °C

PROVISIONAL DATASHEET