

RavaBio[®] 1430 S

Bio based compound

Description:

RavaBio 1430 S is a low flow bio polyester compound based, developed for blown film applications and packaging industry.

RavaBio 1430 S is considered a compostable compound.

General

MFI (230°/2,16kg)	ISO 1133	2	g/10min
Density	ISO 1183	1,493	g/cm ³

Mechanical

Tensile modulus (Film 40 µm)	ISO 527	300	MPa
Tensile strength TD (Film 40 µm)	ISO 527	26	MPa
Tensile strength MD (Film 40 µm)	ISO 527	21	MPa
Elongation at break (Film 40 µm)	ISO 527	300	MPa
Tensile strength at break (23 °C)	ISO 527	35	MPa
Elongation at break (23 °C)	ISO 527	250	%
Tensile modulus (23 °C)	ISO 527	350	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