

RavaBio[®] 1220 ST

Bio based compound

Description:

RavaBio 1220 ST is a low flow polyester compound based, developed for blow film applications and packaging industry.

RavaBio 1220 ST is considered a compostable compound

General

| | | | |
|-------------------|----------|---|---------|
| MFI (190°/2,16kg) | ISO 1133 | 2 | g/10min |
|-------------------|----------|---|---------|

Mechanical

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|-----------------------------------|---------|-----|-----|
| Tensile modulus (Film 40 µm) | ISO 527 | 250 | MPa |
| Tensile strength TD (Film 40 µm) | ISO 527 | 25 | MPa |
| Tensile strength MD (Film 40 µm) | ISO 527 | 19 | MPa |
| Elongation at break (Film 40 µm) | ISO 527 | 480 | MPa |
| Tensile strength at break (23 °C) | ISO 527 | 40 | MPa |
| Elongation at break (23 °C) | ISO 527 | 400 | % |
| 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