



RavaBio® 1430 S

Ravago Manufacturing Europe - Thermoplastic Polyester

General Information

Product 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

| | | | |
|------------------------|----------------------|-----------------|------------------------------|
| Material Status | • Commercial: Active | | |
| Availability | • Europe | • North America | |
| Filler / Reinforcement | • Mineral | | |
| Features | • Compostable | • Low Flow | • Renewable Resource Content |
| Uses | • Film | • Packaging | |
| Processing Method | • Blown Film | | |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|-------------------|-------------|
| Density | 1.49 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 2.0 | g/10 min | ISO 1133 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (23°C) | 350 | MPa | ISO 527-1 |
| Tensile Stress (Break, 23°C) | 35.0 | MPa | ISO 527-2 |
| Tensile Strain (Break, 23°C) | 250 | % | ISO 527-2 |
| Films | Nominal Value | Unit | Test Method |
| Film Thickness - Tested | 40 | µm | |
| Tensile Modulus (23°C, 40 µm) | 300 | MPa | ISO 527-3 |
| Tensile Strength | | | ISO 527-3 |
| MD : 23°C, 40 µm | 21.0 | MPa | |
| TD : 23°C, 40 µm | 26.0 | MPa | |
| Tensile Elongation (Break, 23°C, 40 µm) | 300 | % | ISO 527-3 |

Processing Information

| Extrusion | Nominal Value | Unit |
|-----------------------|---------------|------|
| Cylinder Zone 1 Temp. | 155 | °C |
| Cylinder Zone 2 Temp. | 160 | °C |
| Cylinder Zone 3 Temp. | 165 | °C |
| Cylinder Zone 4 Temp. | 170 | °C |
| Adapter Temperature | 165 | °C |
| Melt Temperature | < 190 | °C |
| Die Temperature | 165 | °C |

Notes

¹ Typical properties: these are not to be construed as specifications.