

# RavaBio®

## Biobased & Compostable Plastics

RavaBio® are our new bio-polyester based products for both blown film extrusion and injection molding applications. With a range of grades available, you can find the right properties to suit your application requirements.

RavaBio® blown film grades have been designed for compostable agricultural films and flexible packaging applications.

These film grades offer:

- ✓ Easy handling & processing with conventional machines
- ✓ Good surface printability
- ✓ Great sealing properties
- ✓ Ability to achieve thin film thickness
- ✓ Good dart resistance
- ✓ Low flow
- ✓ Expected compostability in both soil and industrial conditions



Property	Test Method	RavaBio® 1020S	RavaBio® 1220S	RavaBio® 1220ST	RavaBio® 1430S
MFI (190° / 2,16kg)	ISO 1133	2 g/10min	2 g/10min	2 g/10min	2 g/10min
Density	ISO 1183	1,27 g/cm³	1,37 g/cm³	1,35 g/cm³	1,49 g/cm³
Tensile modulus¹	ISO 527	150 MPa	180 MPa	250 MPa	300 MPa
Tensile strength TD¹	ISO 527	13 MPa	18 MPa	25 MPa	26 MPa
Tensile strength MD*	ISO 527	8 MPa	14 MPa	19 MPa	21 MPa
Elongation at break¹	ISO 527	360 MPa	350 MPa	400 MPa	300 MPa
TUV Austria Certification	EN 13432 (Industrial)	OK compost HOME pending	OK compost INDUSTRIAL	-	OK compost INDUSTRIAL pending

¹film thickness 40 µm

Mulch films



Shopping bags



Vegetable bags



RavaBio® injection molding and extrusion grades are suitable for a wide range of rigid packaging and consumer goods applications.

These injection molding & extrusion grades offer:

- ✓ Easy handling & processing with conventional machines
- ✓ Mineral-filled options
- ✓ Good impact resistance
- ✓ Expected compostability in both soil and industrial conditions



Property	Test Method	RavaBio® 42T10I	RavaBio® 72T10I	RavaBio® 91T20S
MFI (190° / 2,16kg)	ISO 1133	6 g/10min	45 g/10min	18 g/10min
Density	ISO 1133	1,41 g/cm³	1,37 g/cm³	1,33 g/cm³
HDT/A (1,82 MPa)	ISO 75A	53 °C	50 °C	44 °C
HDT/B (0,46 MPa)	ISO 75B	70 °C	55 °C	49 °C
Tensile modulus	ISO 527	3900 MPa	3900 MPa	3700 MPa
TUV Austria Certification	EN 13432	OK compost INDUSTRIAL pending	OK compost INDUSTRIAL pending	-



#### Let's connect

We would love to discuss further how we can support you in your compostable bioplastic applications.

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