

ecovio® T2206

Technical DataSheet | Supplied by BASF

ecovio® T2206 by BASF is a certified industrial compostable biopolymer consisting of 60% renewable resources. It is basically a compound of biodegradable copolyester ecoflex® F blend and polylactic acid (PLA). It contains antiblocking agents.

It has been developed for the conversion of extruded films using a sheet extrusion line with a subsequent orientation or thermoforming process.
It exhibits printability, high strength and stiffness as well as high failure energy (dart drop).
It offers high, but controllable water vapor transmission rate (WVTR), good thermo stability, good processability on conventional sheet extrusion lines e.g. for PP, PS.
ecovio® T2206 is recommended for oriented monofilaments and greenhouse twine for agro applications and cups, trays & other thermoformed containers.

Product Type	Polyester > Polyester, Bio-based
Physical Form	Pellets
Product Launch Date	Apr 26, 2024
Product Status	COMMERCIAL
Geographical Availability	Asia / Pacific
Applications/ Recommended for	Agriculture > Greenhouses Packaging Thermoforming/ Vacuum forming Extrusion > Sheet & Plaques (standard)
Biodegradable	Yes
Bio Based	Yes
Labels/Agency Rating	OK Compost, EN 13432
Key Features	Biodegradable Compostable Printability, Excellent Processability, Good Stiffness Strength, High

ecovio® T2206 Properties

Physical	Value & Unit	Test Condition	Test Method
Density	1.24 - 1.26 g/cm ³		ISO 1183
Melt-Volume Flow Rate	2.5 - 7.5 ml/10 min	At 190°C, 5 kg	ISO 1133

Thermal	Value & Unit	Test Condition	Test Method
Vicat Softening Temperature	71 °C	A/50	ISO 306
Melting Point	110 - 120 °C	DSC	

Mechanical	Value & Unit	Test Condition	Test Method
Impact Strength, Charpy	26 kJ/m²		ISO 179-1/1eA
Tensile Modulus, MD	1900 MPa	At 4mm thickness	ISO 527
Tensile Modulus, TD	1900 MPa	At 4mm thickness	ISO 527
Tensile Strength, MD	40 MPa	At 4mm thickness	ISO 527
Tensile Strength, TD	40 MPa	At 4mm thickness	ISO 527
Tensile Strength, Ultimate	24 MPa	At 4mm thickness	ISO 527
Tensile Elongation, Ultimate, MD	170 %	At 4mm thickness	ISO 527
Tensile Elongation, Ultimate, TD	170 %	At 4mm thickness	ISO 527
Impact Strength, Charpy	No Break		ISO 179-1/1eU



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