VINNEX® eco 2525 (XX MB)

Polymer Resins

VINNEX® eco 2525 (XX MB) is a solid, thermoplastic homopolymer. The clear and colorless resin is prepared by polymerization of vinyl acetate.

The technical properties of the fossil saving VINNEX® eco 2525 (XX MB) and VINNEX® 2525 are identical.

VINNEX® eco is a fossil resources saving product, where a specific share of the fossil-based raw materials required for manufacturing of this product can be replaced by certified sustainable renewable feedstock. The substitution is based on the REDcert^2 mass balance approach, audited by an independent third party.

Properties

The exact amount of fossil raw material replaced depends on the selected product version and is specified in the corresponding certificate. Please contact your WACKER representative or visit the product page on the WACKER website www.wacker.com for additional information regarding WACKER's products or sustainability efforts, including mass balance.

Technical data

Specification

Property	Condition	Value	Method
Viscosity, 10% in ethyl acetate	20 °C	35 - 55 mPa·s	ASTM D 445 - 06
Volatiles	-	< 1.0 %	specific method

General Characteristics

Property	Condition	Value	Method
Supply form	-	solid, colorless beads, odorless and tasteless	Visual
Density of the polymer	-	approx. 1.18 g/cm^3	DIN EN ISO 1183 /1-3
K-value	-	67 - 73	DIN 53726
Softening point	-	approx. 200 °C	DIN ISO 4625, by Ring and Ball
Molecular weight (Mw)	-	approx. 360000 g/mol	SEC, PS-Standard
Glass transition temperature	-	approx. 44 °C	DSC DIN EN ISO 11357-2
Acid number	-	< 0.5 mg KOH/g	specific method

These figures are only intended as a guide and should not be used in preparing specifications.

Applications

- Additives for Biopolymers
- PBS Applications
- PHA/PHB Applications
- PLA Applications

Application details

Typical applications for VINNEX® eco 2525 (XX MB): modification of biopolymers and biopolymer compounds; blending with natural fibres or flour such as wood, starch and cork.

Processing - Product data
Melt viscosity, 100% Polymer
Bohlin high temperature viscosimeter
180 °C ~ 4500 Pa·s
200 °C ~ 3500 Pa·s
220 °C ~ 3000 Pa·s

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. These are available on request from WACKER sales offices or may be downloaded from the WACKER Web site www.wacker.com/nexiva.

Packaging and storage

Packaging

VINNEX® eco 2525 (XX MB) is supplied in 25 kg Paper Bags.

Storage

VINNEX® eco 2525 (XX MB) should not be stored at temperatures above 20°C in order to prevent caking. Storage conditions must be dry; material must be protected from direct sun exposure.
Under these conditions the product has a shelf life of at least 12 months.

Safety notes

Comprehensive instructions are given in the appropriate Material Safety Data Sheets. These are available on request from WACKER sales offices.

QR Code VINNEX® eco 2525 (XX MB)

For technical, quality or product safety questions, please contact:

Wacker Chemie AG, Gisela-Stein-Strasse 1, 81671 Munich, Germany
productinformation@wacker.com, www.wacker.com