

VINNEX[®] eco 2522 (XX MB)

Polymer Resins

VINNEX[®] eco 2522 (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 2522 (XX MB) and VINNEX[®] 2522 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 REDcert² mass balance approach, audited by an independent third party.



Properties

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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
Acid number	-	< 0.5 mg KOH/g	specific method
Free Acetic Acid	-	< 0.05 %	specific method
Residual monomer (vinyl acetate)	-	< 5 ppm	FCC
Viscosity, 10 % in ethyl acetate	20 °C	3.5 - 5.0 mPa·s	ASTM D 445 - 06

General Characteristics

Property	Condition	Value	Method
Supply form	-	solid, colorless pellets	Visual
Density	-	approx. 1.18 g/cm ³	DIN EN ISO 1183 /1-3
Softening point	-	119 °C	ASTM D 3104
Molecular weight (Mw)	-	approx. 65000 g/mol	SEC, PS-Standard
Glass transition temperature	-	approx. 42 °C	DSC DIN EN ISO 11357-2
Loss on drying	-	< 1.0 %	FCC

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

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be downloaded via WACKER web site <http://www.wacker.com>.

Applications

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

Application details

Application

Typical applications for VINNEX® eco 2522 (XX MB): modification of biopolymers and biopolymer compounds; blending with natural fibers or flour such as wood, starch and cork.

Processing

Product data

Melt viscosity, 100% Polymer

Bohlin, parallel plates, oscillation mode

100 °C ~ 8000 Pa·s

120 °C ~ 2600 Pa·s

140 °C ~ 500 Pa·s

160 °C ~ 120 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/hexiva.

Packaging and storage

Packaging

VINNEX® eco 2522 (XX MB) is supplied in 25 kg Paper Bags.

Storage

To prevent caking VINNEX® eco 2522 (XX MB) Spezial should not be stored at temperatures above 20°C. 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 24 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 2522 (XX MB)



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

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