

Rheovis® PE 1331 EC

Product description Rheology modifier

Key benefits

- Specifically designed to give an outstanding Newtonian rheology profile
- Excellent balance of performance properties in premium flat, eggshell, semi-gloss and gloss coatings
- Highly efficient in ICI viscosity development
- Excellent flow and leveling
- Excellent scrub resistance
- Solvent-free, low VOC, low-odor
- APEO-free

Chemical nature Polyether polymer in water

Properties

Physical form Clear to hazy liquid

Technical data

(not supply specification)

| | | |
|---------------|-----------------------------|--------------------------|
| Solid content | DIN ISO 1625 (105 °C, 2h) | ~ 21 % |
| Viscosity | ISO 2555, Brookfield, 25 °C | ~ 2,300 mPa.s |
| Density | ISO 12185 at 25 °C | ~ 1.03 g/cm ³ |

Application

Rheovis® PE 1331 EC is excellent for high-shear viscosity build for one-coat coverage. In combination with an appropriate low-shear thickener it can also enhance sag resistance. Rheovis® PE 1331 EC imparts excellent flow and leveling due its comb polymer structure and belongs to a family of polyether thickeners shown to have excellent exterior durability.

Formulation guideline

1 – 4 % on total formulation

Combinations of Rheovis® PE 1331 EC with other low/mid-shear Rheovis® rheology modifiers can be used to attain the desired balance of high/low-shear viscosities. Rheovis® PE 1331 EC is usually added to a formulation as the final ingredient. However, in cases where there is limited agitation at that stage, addition of 10 – 20 % of the total quantity of Rheovis® PE 1331 EC just after the grinding stage can facilitate incorporation of the full amount of thickener.

Storage

Keep container tightly closed and store in a cool, dry place.
Protect from temperatures below 0 °C and above 40 °C

If stored at low temperatures freezing of the product is possible. This process is reversible. Please heat product to room temperature and stir well before use.

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Validity

This Technical Data Sheet is valid for all versions of the Rheovis® PE 1331 EC.

Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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