

Isolan PCM-E

Technical Data Sheet

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Isolan PCM-E is a dispersion of aliphatic polycarbonate ester-polyether polyurethane.

Material Definition

Chemical identity: Aqueous aliphatic polyurethane, polyether based

Appearance: Opaque white to creamy white liquid

Brookfield Viscosity (25°C): 150 mPa*s

pH value: 8 ±1

Solid content: 58 - 62 %

Density @23°C: Approx. 1.05 g/cm³

VOC content: Max. 0.6 %

Application

Isolan PCM-E is an aliphatic high solids co-solvent-free polyurethane dispersion.

Isolan PCM-E is engineered to be easily foamable for application in transfer coating. Foamed layers based on Isolan PCM-E have the potential to supplant DMF coagulate substrates, providing an innovative and eco-friendly alternative. In foaming applications, we recommend the addition of a foam stabilizer.

Isolan PCM-E can be cross-linked to preserve its characteristics post-washing.

Finished products have an expected softening point of 185°C, an elongation at break of 850%, and a tensile strength of 8.0 Mpa.

Storage

The optimum storage and handling temperature range is 5 °C to 30 °C. The product must be protected from heat and frost in order to maintain viability. Containers must not be restocked after they have been opened. Properly stored, Isolan PCM-E is stable for at least 12 months after the shipment has left our warehouse.

Packaging

Isolan PCM-E is available in IBCs (1000kg each) and drums (210kg each). MoQ are 2 pallets with 8 drums each or 1 IBC.

Regulatory Information

EU REACH registered: Not applicable

Availability

- Americas (United States, Canada, South America)
- APAC (Asia-Pacific)
- ANZ (Australia, New Zealand)
- EU (European Union)
- PRC (People's Republic of China)
- UK (United Kingdom)

Disclaimer / Conditions

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Stated storage and shelf life times are minimum guaranteed values for a period starting on the day of shipment. After this period has expired, the product requires additional

quality control testing but may very well still be within specification. For more information, refer to our [Shelf Life Policy \(/info/shelflife\)](/info/shelflife).

For updates on product information, please check this web page regularly:

<https://kautschuk.com/products/textile/isolan-pcm-e>

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