

Technical Data Sheet

Zeludur 300

1 Description

Liquid and solvent-free hydrophilic aliphatic polyisocyanate which is emulsifiable in aqueous polymer dispersions. It can be used as crosslinking agent for largely pH-neutral aqueous polymer dispersions, such as polyurethane, polyvinylacetate, polyacrylate and synthetic rubber dispersions. Crosslinking increases the resistance of the bonds to heat, water, plasticizers and many solvents.

2 Technical Data

Basis	Aliphatic polyisocyanate
Color	colorless, black, blue
Density	approx. 1.15 g/cm ³ (23 °C)
Viscosity	approx. 3.500 mPa·s (Brookfield, Sp.3, 20 rpm, 20 °C)
Pot life	approx. 8 h (at 20 °C)
Handling	mechanical stirring with Curvalin (see text below)

3 Application

It is necessary to mix Zeludur 300 sufficiently with the adhesive for good homogenization. Stirring by hand is not enough. We recommend the use of a suitable mechanical stirrer for at least 10 minutes.

Colored Zeludur 300 helps to identify a homogenous mixing and if the crosslinking agent is already added or not. After adding the crosslinking agent the 2K adhesive must be used within its pot life which lasts several hours.

For detailed information check the technical data sheet of the corresponding Curvalin type.

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4 Storage

The product is very moisture-sensitive, therefore it should always be stored in the tightly closed original packaging. The access of water must be excluded (humid air, wet solvents or containers). Formation of carbon dioxide can lead to dangerous increase in pressure. We recommend a storage temperature between 5 and 30 °C. Storage time in originally closed and sealed packaging is up to 6 months.

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