

# Boltorn™ P500

## Part of your toolbox

### Product Description

Boltorn™ is a range of dendritic polymers with extensive formulation possibilities. The extensive branching improves reactivity, lowers the viscosity and results in balanced mechanical properties.

Boltorn™ P500 is a liquid dendritic polyester/ether polyol blend of low viscosity and a high average hydroxyl functionality. It is used as a precursor for UV-curing acrylate oligomers enabling exceptional relationship between viscosity, molecular weight and functionality. The acrylate of Boltorn™ P500 yields high reactivity, high chemical and scratch resistance, tough coatings and low shrinkage.

### Segment Applications

Precursor for UV-curing acrylate oligomers  
Cross-linking polymer polyol for flexible polyurethane foams

### Delivery Forms

Steel Drums 220 kg, 880 kg/pallet



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## Sales Specification

Characteristics	Unit	Specification	Analytical Method <sup>1</sup>
Hydroxyl Number	mg KOH/g	560 - 630	PO 100-9
Acid number	mg KOH/g	Max. 3	PO 110-4

1. Analytical methods are available on request

## General Characteristics

Characteristics	Unit	Typical Value <sup>1</sup>	Comment
Viscosity (23 °C, 30 s <sup>-1</sup> )	Pas	8 - 15	Pre-heated to 70 °C for 30-60 min before cooled to 23 °C and measured

1. Typical values are for information only and not part of sales specification

## Handling and Storage

Boltorn™ P500 should be stored in sealed containers at ambient temperature, in a dry area protected from direct sunlight and the elements. The maximum storage temperature has not been determined, but when stored as recommended, temperatures up to 35°C should present no problems. When drums are opened, and the product is exposed to air, moisture can be absorbed by the product. Sealing the drum under a dry gas (Nitrogen, Argon or dried air) blanket can substantially reduce this tendency.

HS No.: 3907 99

Effective date: September 7, 2021

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