

Boltorn™ U3000

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™ U3000 is a fatty acid modified dendritic polymer with a large number of polyunsaturations. It has a highly branched polymer backbone and in average 14 unsaturated fatty ester groups/molecule. Boltorn™ U3000 is a low viscous, yellow liquid at room temperature.

Segment Applications

Alkyd resins, Binder for solvent-free coating and ink systems

Delivery Forms

Steel drums 180 kg, 720 kg/pallet



Boltorn™ U3000

Part of your toolbox

Sales Specification

Characteristics	Unit	Specification	Analytical Method ¹
Viscosity (23 °C, 30 s ⁻¹)	Pas	Max. 1.5	PO 120-3
Non-volatile content	%	Min. 98	PO 109-8
Acid number	mg KOH/g	Max. 10	PO 110-6

1. Analytical methods are available on request

General Characteristics

Characteristics	Unit	Typical Value ¹
Hydroxyl number	mg KOH/g	15
Polydispersity, Mw/Mn		1.5
Oil length	%	75

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

Handling and Storage

Perstorp recommends storing Boltorn™ U3000 in sealed containers at ambient temperature, in a dry area protected from direct sunlight and the elements. Proper sealing is also important to avoid oxidative drying. 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 50

Effective date: November 13 , 2020

USERS ARE ADVISED TO MAKE THEIR OWN INDEPENDENT DETERMINATION OF THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE. EXCEPT FOR WHAT IS STATED IN PERSTORP'S GENERAL CONDITIONS OF SALE OR SEPARATELY IN A WRITTEN CONTRACT WITH PERSTORP, NO INFORMATION PROVIDED IN THIS DATA SHEET CONSTITUTES A WARRANTY (EXPRESS OR IMPLIED) BY PERSTORP, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.