

Boltorn™ H2004

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™ H2004 is a dendritic polymer with high hydroxyl functionality. It has a highly branched flexible backbone with 6 primary hydroxyl groups. Boltorn™ H2004 is a viscous liquid at room temperature. It has excellent solubility in glycols, ethers, alcohols, ketones and aromatic solvents.

In UV coatings, inks and adhesives, Boltorn™ H2004 is used as a crosslinker and flexibilizer. As a polymer building block Boltorn™ H2004 gives many options. It is ideal when unique rheology or mechanical properties is desired; or when high reactivity is required; or when good chemical resistance is of importance.

Segment Applications

Polymer building block

Crosslinker and flexibilizer for cationic UV coatings, inks and adhesives

Delivery Forms

Drums 200 kg, 800 kg/pallet



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Sales Specification

Characteristics	Unit	Specification	Analytical Method ¹
Hydroxyl Number	mg KOH/g	105 – 135	PO 100-9
Acid number	mg KOH/g	Max. 7	PO 110-6

1. Analytical methods are available on request

General Characteristics

Characteristics	Unit	Typical Value ¹
Molecular weight, Mw	g/mol	3200
Viscosity (23 °C, 30 s ⁻¹)	Pas	12 - 16

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

Handling and Storage

Boltorn™ H2004 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. Over a long period of time (particularly at elevated temperatures) the acid number of this product can increase.

HS No.: 3907 99

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.