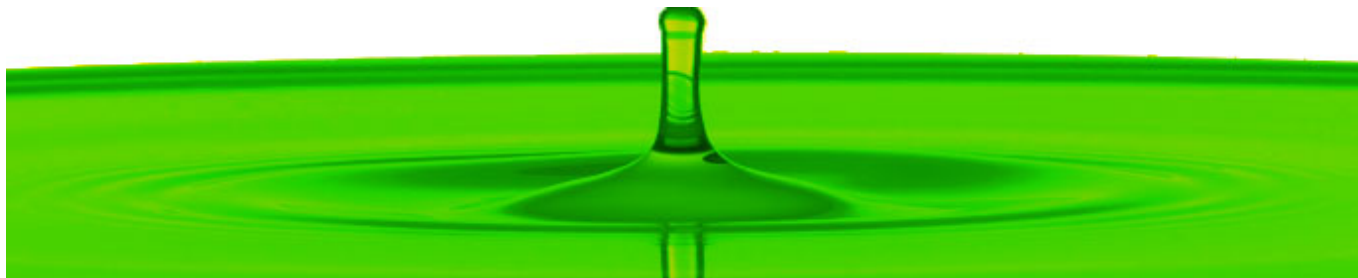


# Boltorn™ H311



## Description

- Boltorn™ H311 is a dendritic polymer polyol with high hydroxyl functionality.
- Highly branched flexible backbone with a large number of primary hydroxyl groups.
- Contains 10 % water and is a viscous liquid at room temperature.
- Excellent solubility in polyether polyols, glycols and polyalcohols.

## Applications

- Boltorn™ H311 is an effective load builder for High Firmness moulded foam and High Resilience (HR) slabstock foam.
- Can be used to replace copolymer polyols of styrene acrylonitrile (SAN) type or conventional type crosslinkers.
- Typically 2-3 times as efficient as SAN-type polymer polyols in providing compressive loads at given solids level.
- Higher efficiency of Boltorn results in foam formulations with lower total solids levels.
- Can provide exceptionally high FD or CFD loads, normally not obtainable with conventional flexible foam technology.
- Increases foam stability and allows for high firmness at low density.

## Storage

- Boltorn™ H311 should be stored at room temperature.

## Sales specification

Hydroxyl number, mg KOH/g <sup>1</sup>	230-260 *
pH <sup>2</sup>	6-7
Water content, % <sup>3</sup>	9.5-10.5

## Typical properties

Molecular weight, Mw, g/mole <sup>4</sup>	5700 *
Viscosity (23 °C, 30 s <sup>-1</sup> ), Pas <sup>5</sup>	40

\*water free product

## Delivery forms

- Containers (IBC) 1100 kg

### Analytical Method

<sup>1</sup> PO 100-9, <sup>2</sup> PO 110-2, <sup>3</sup> PO 109-2, <sup>4</sup> PO 137-2, <sup>5</sup> PO 120-3

Analytical methods are available on request

HS no.: 3907 99

Valid from: January 1, 2004/c

Supersedes: April 1, 2003