Boltorn® P1000
Development product

Description
- Boltorn® P1000 is a dendritic polymer blend characterized by a high hydroxyl number.
- It is a viscous liquid at room temperature.

Applications
- Boltorn® P1000 is primarily used as acrylate oligomer for UV-curing where labelling issues are of prime importance.
- The acrylate of Boltorn® P1000 has exceptionally low viscosity yet high molecular weight.
- It allows oligomer-only formulations to be developed without the use of labelled monomers.
- The acrylate of Boltorn® P1000 can as such be used to yield “ready to go” coatings and has the following principal features:
  - excellent reactivity
  - good combination of hardness and flexibility (toughness) and excellent abrasion resistance
  - excellent chemical resistance and low water sensitivity
  - low extractables

Delivery forms
- Steel drums 220 kg, 880 kg/pallet
- Containers (IBC) 1100 kg

Storage
- Boltorn® P1000 is hygroscopic and should be stored at room temperature in a dry place.

Sales specification
- Hydroxyl number, mg KOH/g \(^1\) 430-490
- Acid number, mg KOH/g \(^2\) Max. 3

Typical properties
- Viscosity (23 °C, 30 s\(^{-1}\)), Pas \(^3\) 5
- Colour, APHA \(^4\) 130

Analytical Method
\(^1\) PO 100-9, \(^2\) PO 110-4, \(^3\) PO 120-3, \(^4\) PO 105-4
Analytical methods are available on request

HS no.: 3907 99

Valid from: November 29, 2006/b
Supersedes: October 10, 2005