

Ymer™ N120

Precise performance for PUDs

Product Description

Ymer™ N120 is a polymeric nonionic dispersing monomer containing two primary hydroxyl groups which are incorporated in the polymer and can be used to disperse the polymer (polyurethanes, alkyds and polyesters) in water.

Ymer™ N120 is ideal for fine tuning the specific properties of your waterborne polyurethane dispersions while maintaining stability. This polymeric nonionic dispersing monomer has a well-balanced ethoxylated chain length, which allows you to choose the exact properties you require, from hard and rigid to soft and flexible.

Ymer™ N120 with the chemical name difunctional polyethylene glycol monomethyl ether is a white/opaque amorphous material.

Segment Applications

Waterborne resins systems (e.g. alkyd, epoxy, polyester, polyurethane), Polyurethane dispersions, Hydrophilic PU-systems, Surfactants, Fiber sizing, Chemical building block

Delivery Forms

Drums 220 kg, 880 kg/pallet



When looking to fine tune the specific properties of your polyurethane dispersions, Ymer™ gives you the flexibility to choose the exact properties you require: hard to soft and rigid to flexible.

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Sales Specification

Characteristics	Unit	Specification	Analytical Method ¹
Hydroxyl number	mg KOH/g	100 - 120	PO 100-1

1. Analytical methods are available on request

General Characteristics

Characteristics	Unit	Typical Value ¹
Water content	%	0.5
Color	APHA	80
Melting range	°C	20 - 40
Viscosity (at 50 °C)	mPas	60
Molecular weight	g/mol	1000

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

Handling and Storage

Perstorp recommends storing Ymer™ 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.

REACH: Exempt Polymer
HS no.: 3907 29

Effective date: January 10, 2022

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.