

Nivapol Polem A 1170

Characterization and Type

Castor oil-based Polyol.

Form supplied

Solvent-free, liquid.

Uses

Low viscosity polyol for flexible floor coatings and sports floors.

Solubility / thinnability

Generally speaking, Polem A 1170 has good compatibility with the solvents listed. However, the solutions have to be tested for their storage stability. Polem A 1170 can be thinned with esters, ketones, ether esters and aromatic hydrocarbons. Prolonged storage of a solution with low binder content may result in turbidity and sedimentation. Only PUR grade solvents should be used (< 0.05% water). The solvent should not contain reactive groups.

Compatibility

Generally speaking, Polem A 1170 is compatible with polyols and MDI, HDI polyisocyanates. Given the many different products on the market, compatibility testing is always advisable.

Properties / Applications

In combination with other polyols such as Polem A 1145, 1155 and crosslinked with MDI. Polem A 1170 is suitable for Flexible floor coatings and high elastic coatings with good mechanical. Properties. It is also used for elastic sealant- and adhesive pastes where mechanical properties like elongation or crack bridging are requested.

Storage

When stored in originally sealed containers the product will remain stable for at least 6 months.

Packing

Bulk/IBC 1000 kgs./drum 200 kgs.

Labeling and REACH applications

This product data sheet is only valid in conjunction with the latest edition of the corresponding Safety Data Sheet. Any updating of safety relevant information – in accordance with statutory requirements – will only be reflected in the Safety Data Sheet, copies of which will be revised and distributed. Information relating to the current classification and labeling, applications and processing methods and further data relevant to safety can be found in the currently valid Safety Data Sheet.

Important Note

Nivapol products are guaranteed against defective materials and manufacture and are sold subject to

our standard terms and conditions of sale, copies of which may be obtained on request.

Further Information

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements. Nivapol has technical and practical experiences build over many years. You are welcome to call us for advice and technical assistance.

Contact details

Nivapol Technology ApS
Tvaervejen 15
5580 Noerre Aaby
Denmark
Telephone: +45 70214888
e-mail: info@nivapol.com
Webpage: www.nivapol.com

Technical data	Property	Value	Method
	Hydroxyl content	5,2 ± 0,45%	
Equivalent weight	Approx. 326		
Density	0.98 g/ml ± 0,01 g/ml		DIN EN ISO 2811
Viscosity@22°C	2500 mPas ± 10%		DIN EN ISO 3219/A.3
Water content	≤ 0,1%		DIN 51777-1
Acid value	≤ 2 mg KOH/g		DIN EN ISO 2114
Renewable	79%		
OH-value	172 KOH/g		
Technical data cured material	Technical Data	Methods	Index 100 standard MDI Result
	Thickness		2 mm
Shore D Hardness	DIN 53505		55
Tensile Strength	DIN 53504		NA
Elongation at Break	DIN 53504		NA
Crack bridging ability			NA
Temperature resistance			> 90°C
Waterpenetration			Impervious
Chemical resistance			Excellent
Puncture Resistance	ASTM E154		NA
Adhesion to concrete	BS/EN 24614		> 1.5 MpA
Abrasion resistance (Taber)	EN 1504-2		<6000 mg
The above figures are intended as a guide only and should not be used as a basis for specifications			

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to the technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out by only qualified experts in the sole responsibility of a customer. Please contact Nivapol for the latest version. All our documents, offers, etc. are in association with our general sales, delivery and application conditions.