



Desmophen[®] NH 1420

Type	Aminofunctional co-reactant for polyisocyanates
Form supplied	Low-viscosity, solvent-free liquid
Uses	For the formulation of high-solids, two-component polyurethane topcoats and solvent-free coating materials.

Specification Property	Value	Unit of measurement	Method
Amine value	199 - 203	mg KOH/g	Method (Bayer) 2011-0605401-05D
Viscosity at 25 °C	900 - 2,000	mPa·s	DIN 53 019
Hazen color value	≤ 250		DIN EN 1557

Other data* Property	Value	Unit of measurement	Method
Equivalent weight	approx. 276		
Density at 20 °C	approx. 1.076	g/ml	DIN 51 757
Flash point	approx. 145	°C	DIN EN ISO 2719
Water content	≤ 0.15	%	DIN 51 777-1

*These values provide general information and are not part of the product specification.



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Compatibility

Generally speaking, Desmophen[®] NH 1420 is compatible with many polyisocyanates and prepolymers. However, compatibility testing is always advisable.

Properties / Applications

Desmophen[®] NH 1420 can be used as co-reactant for Desmodur N[®] products.

Storage

- Storage in original sealed Bayer MaterialScience container.
- Recommended storage temperature: 0 - 30 °C.
- Protect from moisture, heat and foreign material.

Storage time

Bayer MaterialScience represents that, for a period of six months following the day of shipment as stated in the respective transport documents, the product will meet the specifications or values set forth in section "specifications or characteristic data" above, what ever is applicable, provided that the product is stored in full compliance with the storage conditions set forth in and referenced under section "storage" above and is otherwise handled appropriately.

The lapse of the six months period does not necessarily mean that the product no longer meets specifications or the set values. However, prior to using said product, Bayer MaterialScience recommends to test such a product if it still meets the specifications or the set values. Bayer MaterialScience does not make any representation regarding the product after the lapse of the six months period and Bayer MaterialScience shall not be responsible or liable in any way for the product failing to meet specifications or the set values after the lapse of the six months period.



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Important notice!

The product is a new substance according to the requirements of Germany's chemicals legislation and the equivalent EU Directives. The necessary registration of the product has been completed and is valid in all EC member states. For marketing outside the EU the relevant national legislation is to be observed.

Safety

Hazards identification

May cause sensitization by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The safety data sheet should be observed. This contains information on labeling, transport and storage as well as on handling, product safety and ecology.

This Information and our technical advice - whether verbal, in writing or by way of trials - are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided - especially that contained in our safety data and technical information sheets - and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery. This does not apply to Trial-Products.

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