Bayer MaterialScience

Product Information

DESMOPHEN NH 1420

Amine-Functional Resin

Description

Desmophen NH 1420 resin is a solvent-free, amine-functional reactive partner for polyisocyanates.

Application

Desmophen NH 1420 resin is a low viscosity amine functional resin developed for use in the formulation of high solids two-component polyurethane/urea coatings. Desmophen NH 1420 resin may be used by itself or as a blend with hydroxy-functional acrylic resins and crosslinked with an aliphatic polyisocyanate to yield high solids polyurethane/urea clearcoats.

Desmophen NH 1420 resin may also be blended with other amine functional resins, e.g. Desmophen NH 1520, Desmophen NH 1220 in order to obtain customized potlife/dry time characteristics when formulating high solids polyurea topcoats.

As with any product, use of Desmophen NH 1420 resin in a given application must be tested (including but not limited to field testing) in advance by the user to determine suitability.

Product Specifications

Property	Value
Amine Value	199-203
Color, APHA	250 maximum
Viscosity @ 25°C, mPa•s	900-2000

Typical Properties*

Property	Value
Equivalent wt., avg. (as supplied)	279
Weight per gallon, lb. @ 25°C	8.8
Specific gravity @ 20°C	1.06
Flash Point	201°F(94°C)

Storage

Desmophen NH 1420 resin must be stored in tightly sealed containers to prevent contact with moisture. Recommended storage temperatures are 32°-104°F (0°-40°C). The shelf life of this product is six months from date of receipt when stored in closed original containers at 77°F (25°C).

Health and Safety Information

Appropriate literature has been assembled which provides information pertaining to the health and safety concerns that must be observed when handling Desmophen NH 1420 resin. For materials mentioned that are not Bayer products, appropriate industrial hygiene and other safety precautions recommended by their manufacturer should be followed. Before working with any product mentioned in this publication, you must read and become familiar with available information concerning its hazards, proper use, and handling. This cannot be overemphasized. Information is available in several forms such as material safety data sheets and product labels. For further information contact your Bayer MaterialScience representative or the Product Safety and Regulatory Affairs Department in Pittsburgh, Pa.

** These items are provided as general information only. They are approximate values and are not part of the product specifications.*

Note: The information contained in this bulletin is current as of February 2007. Please contact Bayer MaterialScience to determine whether this publication has been revised.

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