Bayer MaterialScience

Product Information

DESMOPHEN S-1021-70

Saturated Polyester

Description

Desmophen S-1021-70 is a solvent-free saturated polyester resin.

Application

Desmophen S-1021-70 is a specially designed polyester polyol balancing hardness, toughness and cost with excellent hydrolysis resistance in polyurethane elastomers. As with any product, use of Desmophen S-1021-70 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
Solids, wt.%	100
Water content, wt.%	0.04 maximum
Hydroxyl number	68-72
Color, APHA	65 maximum
Acid number	0.6 maximum
Viscosity @ 60ºC;cps	1,700-2,100

Typical Properties*

Property	Value
Appearance	clear to light amber
Specific gravity @ 25ºC	1.1
OH content,%	2.1
Weight per gallon, lb. @ 25ºC	9.2
Equivalent wt., avg.(as supplied)	801
Flash point (Cleveland Open Cup)	347ºF(175ºC)

Storage

Desmophen S-1021-70 polyester is hygroscopic. Containers must be kept tightly sealed to prevent contamination with foreign materials and moisture. Undesirable side reactions may occur when contaminated hydroxyl-bearing resins are formulated with polyisocyanates. Recommended storage temperatures for Desmophen S-1021-70 polyester are 32ºF to 122ºF (0-50ºC). The shelf life is twelve months after receipt of material by customer, when stored in closed, original containers at 77ºF (25ºC).

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 S-1021-70 polyester. 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 September 2004. Please contact Bayer MaterialScience to determine whether this publication has been revised.

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