

Laromer® UA 9065

General	Laromer® UA 9065 is an aromatic urethane acrylate used for the recipes of UV/EB curable coatings onto wood, paper and plastic substrates. This product displays a very good abrasion resistance (falling sand test).
Key features & benefits	<div>high reactive</div> <div>good flexibility</div> <div>abrasion resistant (falling sand)</div>
Chemical nature	aromatic urethane acrylate, 65% solution in DPGDA

Properties

Appearance	Clear to slight turbid, high viscous liquid	
Typical characteristics <i>(should not be interpreted as specifications)</i>	viscosity at 23°C	6~10 Pa·s
	iodine color number	≤ 5
	density at 20°C	1.14 g/mL

Application

solubility, compatibility

To reduce viscosity Laromer® UA 9065 can be diluted with all organic solvents common in the coatings industry with the exception of aliphatic hydrocarbons. Furthermore, Laromer® UA 9065 is compatible with acrylic and methacrylic monomers (e.g. HDDA, TPGDA, HEMA, HPMA, ...) serving as reactive thinners or other types of UV-resins like polyether-, polyester-, epoxy- or urethane acrylates.

fields of application

Laromer® UA 9065 is an aromatic urethane acrylate for coatings on wood, plastic or metal. Its mechanical performance, with focus on high elasticity, delivers excellent abrasion resistance according to the "falling sand" test method and makes the product suitable for flexible substrates.

The high reactivity of the resin allows fast curing UV coatings, which can be beneficial where only a limited UV-dose is available at production lines.

A suitable photoinitiator must be used to photocure Laromer® UA 9065. The photoinitiator types include, for example, α -hydroxy ketone, benzophenone, acyl phosphine oxide, and blends thereof, for typical coating applications. The amount of photoinitiator varies between 2%~5% based on Laromer® UA 9065 as delivered. Acyl phosphine oxide types (MAPO, MAPO-Liquid and BAPO) of photoinitiators are recommended for film thicknesses of 50 g/cm² to ensure through curing.

Storage

Product ought to be kept within sealed unopened containers. Containers should be stored below 35 °C and away from sunlight.

For further detailed application information please contact our Technical Support Department.

Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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