

# Printing & Packaging

## Industrial Coatings

Technical Data Sheet

# Laromer<sup>®</sup> UA 19T



### Product Description

For the formulation of radiation curable printing inks and coatings for wood, wood products, paper and plastics

Laromer<sup>®</sup> UA 19T is a low reactivity aliphatic urethane acrylate. It is preferably used in combination with other polyether/polyester acrylates, urethane acrylates, and epoxy acrylates. It can be diluted with mono-functional, di-functional, or tri-functional monomers in energy curable inks and overprint varnishes.

Laromer<sup>®</sup> UA 19T is diluted with 35% TPGDA.

### Key Features & Benefits

- Low yellowing
- Good adhesion to difficult substrates
- Good flexibility

### Chemical Structure

Aliphatic urethane acrylate

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### Properties

#### Typical Properties

Appearance	clear liquid
Odor	ester - like
Solids	~ 100 %
Viscosity	~ 11 cps
Density at 25 °C	~ 1.035 g/cm <sup>3</sup>
Acid content	Max. 0.1 %
APHA color number	Max. 150

These typical values should not be interpreted as specifications.

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### Applications

Laromer<sup>®</sup> UA 19T is recommended for use in energy curable flexo, screen, and offset inks and overprint varnishes in combination with other acrylated resins and monomers. Inks and overprint varnishes formulated with Laromer<sup>®</sup> UA 19T exhibit high flexibility and elasticity as well as improve adhesion to difficult substrates. Photoinitiators (such as Irgacure<sup>®</sup> 127, Irgacure<sup>®</sup> LEX 201, Irgacure<sup>®</sup> 369, Irgacure<sup>®</sup> 819 or Irgacure<sup>®</sup> 2100) are commonly used as photoinitiators to light cure Laromer UA 19T based inks and OPV's.

## Safety

### General

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State and Local health and safety regulations, thorough ventilation of the workplace, good skin care and wearing of protective goggles.

### Safety Data Sheet

All safety information is provided in the Safety Data Sheet Laromer® UA 19T.

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## Storage

To prevent premature polymerization, Laromer® UA 19T must be stored under air (not under inert gases) and in the dark away from direct light. Storage containers and pipes should be made of stainless steel, aluminum, or glass. For smaller quantities, polyethylene containers can be used.

Laromer® UA 19T sporadically tends to crystallize at temperatures below 15 °C (59 °F) and can be re-homogenized by gently heating for a short period of time, but not more than 60 °C (140 °F), without changing its properties.

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