Printing & Packaging Industrial Coatings

Technical Data Sheet

Laromer® PO 9103

We create chemistry

Product Description	***Laromer PO 9103 is an amine modified acrylate oligomer for the formulation of energy curable inks and coatings, often used in combination with other resins to enhance reactivity.***
Chemical Composition	***Amine modified acrylate***
Key Features & Benefits	***- very high reactivity*** ***- good adhesion on plastics*** ***- superior solvent resistance***

Properties

Typical Properties

Appearance	clear, yellowish medium viscous liquid
Viscosity at 23°C	2500 -4000 cps
Density at 20°C	1.1155 g/cm^3
Functionality (theoretical)	2
Surface Tension at 20°C	42 mN/m
Refractive index n_D at 20°C	1.4850

These typical values should not be interpreted as specifications.

Applications

Laromer® PO 9103 is an oligomeric amine modified acrylate showing outstanding reactivity combined with high gloss. It is preferably used as combination resin to accelerate reactivity of UV-coatings and inks. Laromer® PO 9103 is fully compatible with all mono- and multifunctional monomers and all common oligomers like epoxy, polyester and urethane acrylates. Laromer® PO 9103 forms hydrophobic surfaces after UV/EB curing resulting in excellent solvent fastness with high MEK and acetone resistance. Apart from that it provides excellent adhesion properties on plastics like PET, PC and ABS making it a valuable building block for all radiation curable formulations in graphic arts and wood coatings, where adhesion on plastics is essential. Due to its amine modification Laromer® PO 9103 imparts very high reactivity when combined with H-abstraction type II photoinitiators. It also considerably enhances the reactivity of type I photoinitiators overcoming effectively oxygen inhibition in the surface curing of thin films.

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 for Laromer® PO 9103.

Important

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