

Printing & Packaging Industrial Coatings

Technical Data Sheet

Laromer® PO 9102



Product Description	<i>Laromer PO 9102 is a hydrophobic difunctional monomer for the formulation of energy curable inks, coatings and adhesives for wood, paper, plastic films and metal applications.</i>
Chemical Composition	<i>Propoxylated (2.0) neopentylglycol diacrylate</i>
Key Features & Benefits	<ul style="list-style-type: none">- <i>excellent substrate wetting properties</i>- <i>superior pigment wetting properties</i>- <i>low shrinkage</i>- <i>good film former with low viscosity</i>

Properties

Typical Properties	Appearance	clear, low viscous liquid
	Viscosity at 23°C	~ 20 cps
	Acid Value	~ 0.5 mg KOH/g
	Apha colour number	~ 200
	Density at 20°C	~ 1.0130 g/cm ³
	Functionality (theoretical)	2.0
	Surface Tension at 20°C	~ 31 mN/m
	Refractive index n_D at 20°C	~ 1.4500

These typical values should not be interpreted as specifications.

Applications

Laromer® PO 9102 is a hydrophobic difunctional monomer with a well balanced performance profile that makes it a versatile reactive diluent for adhesive, graphic arts, wood coatings and industrial coatings applications covering a wide range of substrates from paper and board over plastic films to metal. Main properties are its low surface tension that promotes flow and levelling and together with its propoxylation greatly facilitates pigment wetting. The low shrinkage also supports adhesion on plastics and imparts flexibility. Laromer® PO 9102 is a key monomer for the formulation of UV inkjet inks with its low viscosity, good flexibility and outstanding substrate and pigment wetting properties.

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 9102.

Important

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