Printing & Packaging

Industrial Coatings

Technical Data Sheet

Laromer®	PR	9013
(old: Laromer [®]	LR 90	13)



Product Description	Laromer [®] PR 9013 is an all purpose dispersing oligomer for the formulation of energy curable offset, flexographic, and silk-screen printing inks as well as coatings for paper, wood, and wood product applications.		
Key Features & Benefits	- Excellent pigment wetting - Good flexibility - Good reactivity - Low shrinkage		
Chemical Composition	Modified polyether acrylate		
	Properties		
Typical Properties	Appearance Acid value (DIN 53402) Viscosity at 23°C (DIN EN ISO 3219) Sheer rate D Iodine color number (DIN 6162) Density at 20°C (ISO 2811-1) Flash point (ISO 2719, DIN 51758)	slightly yellow liquid ≤ 5 mg KOH/g 45,000 – 70,000 cps 25 s ⁻¹ ≤ 5 ~ 1.100 g/cm ³ > 100°C	
Solubility, diluent tolerance	To formulate low viscosity printing inks or coatings, it can be diluted with reactive diluents such as Laromer [®] TPGDA, Laromer [®] DPGDA, Laromer [®] HDDA, Laromer [®] TMPTA, low viscous oligomers (such as Laromer [®] LR 8863, Laromer [®] PO 33 F, or Laromer [®] PO 43 F) or with esters, ketones, and aromatic hydrocarbons.		
	For the formulation of high viscosity printing inks, it can be mixed with epoxy acrylates such as Laromer [®] EA 8986 or with polyester acrylates such as Laromer [®] PE 55 F or Laromer [®] PE 56 F.		
Compatibility	ity Can be mixed homogeneously with most unsaturated acrylate oligomers or with other Laromer® grad		
	These typical values should not be interpreted as specifications.		
	Applications		

Applications

Laromer[®] PR 9013 is an unsaturated modified dispersion oligomer used to formulate energy curable pigment concentrates and energy curable offset, flexographic, or silk-screen printing inks. Inks based on Laromer[®] PR 9013 are characterized by an excellent yield value even at high pigmentation levels, high gloss, excellent run-ability, little moisture expansion; they cure to produce low odor films.

Laromer[®] PR 9013 can also be used to formulate coatings for paper, plastic films, metals, wood, and wood products. In energy curable coatings for wood or wood products, it reduces absorption into the substrate. Films show little shrinkage and good wetting.

Important

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