



Solutions of MERGINAMID L

PRODUCT INFORMATION

Product Description

MERGINAMIDS L are reactive polyaminoamides that are prepared by condensation of monomer and polymer fatty acids and polyamines.

Typical Parameters

	L 190/70	L195/70	L250/70
Viscosity at 25°C [mPa*s]	440 - 1 250	900 - 1 600	320 - 410
Amine value [mg KOH/g]	155 - 185	160 - 185	200 - 250
Colour [Gardner]	Max. 8	Max. 8	Max. 8
Solids content [%]	69 - 71	69 - 71	69 - 71
Density at 25°C [g/cm ³]	0.94	0.95	0.95
H-active-equivalent [g/Eg]	Ca. 340	Ca. 340	Ca. 210
Use level [g/100g]	72 ¹⁾	72 ¹⁾	44 ¹⁾
Gel Time 250g at 23°C	Min. 12 h	Min. 12 h	Min. 12 h
Solvent	Xylene	Xylene	Xylene

¹⁾ Liquid epoxy resins, epoxy equivalent weight approx. 190 g/Eq

Application and Properties

MERGINAMIDS L can be solved in alcohols like n-butanol and isopropanol, glycolethers, ketones, aromatic and halogenated hydrocarbons and in mixtures of these solvents.

Solutions of MERGINAMIDS L are mainly used in combination with 75 % solutions of solid epoxy resins with an epoxy equivalent weight (EEW) of 450 - 500. They are applied in the recommended ratios given in the table above. The processing times of these solutions show wide deviations depending on the binder content, the type of solvent and the temperature and can vary between two and seven days.

In comparable formulations the application of MERGINAMID solutions with higher amine numbers instead of lower ones results in

- a shortened processing and curing time
- lower viscosity
- better compatibility
- improved solvent resistance
- higher heat stability
- lower flexibility as well as in lower water, weather and corrosion resistance
- only slight changes of hardness, adhesion and resistance to alkali



Solutions of MERGINAMID L

Solutions of MERGINAMID L in combination with solutions of solid epoxy resins excel in the following characteristics

- short drying times
- tackfree forming of films
- good flow of films and high gloss

MERGINAMID L solutions are preferably applied in

- clear varnishes
- pigmented lacquers
- graining primers with high penetration ability
- anticorrosive primers
- epoxy tar combinations

Disclaimer

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