Product information

ANCAMIDE® 3178

Ancamide® 3178 is a polyaminoamide solution supplied at 75 % solids in a xylene and designed for use as an ambient curing agent in two-component epoxy systems. It is especially suitable for use in solvent-based marine and protective coatings. Special features include high corrosion resistance and good compatibility with liquid resins.

TYPICAL HARDENER PROPERTIES

Property	Value	Unit	Method
Color	≤ 10	Gardner	ASTM D 1544
Viscosity, 25 °C	1800-5900	mPas	Brookfield RV, spindle 27
Amine value	235 - 266	mg KOH/g	Perchloric acid titration
Biobased content	20 - 25	%	calculated

RECOMMENDED USE LEVEL

Amine equivalent	150-160		calculated
Use level per 100g BPA epoxy resin (EEW=190)	80-85	g	stoichiometric ratio

TYPICAL PERFORMANCE PROPERTIES

Formulation with a standard BPA epoxy resin			
Pot life, 150 g mix 23 °C	125	min	Techne GT-3 Gelation Timer
Thin Film Set Time, 23 °C	3.5	h	BK Drying Recorder Phase III
Carbamation Resistance, 23 °C	3	Scale 1 - 5	ASTM D 870 1 d

APPLICATIONS

- Industrial coatings
- Protective coatings
- Marine coatings

BENEFITS

- High corrosion resistance
- Good flexibility
- Long potlife

SUSTAINABILITY ATTRIBUTES

Durability | Sust. Feedstock | LCA available

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SHELF LIFE

At least 24 months from the date of manufacture in the original sealed container at ambient temperature.

STORAGE AND HANDLING

Refer to the Material Safety Data Sheet of Ancamide® 3178.

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