

HARDENERS & CROSS LINKERS

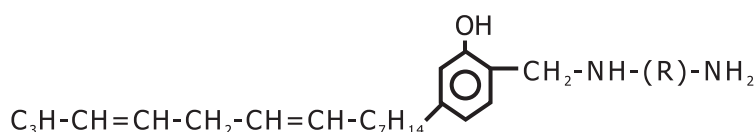
Polyamide Hardeners

Conventional Epoxy Resin hardeners based on polyamide chemistry, used in Protective Coatings.

Products	Solids	Amine Number mg KOH/gm	AHEW
Rheodur 115	100	240-260	≈240
Rheodur 115 X 70	70	168-182	≈340
Rheodur 125	100	340-370	≈130
Rheodur 125 X 70	70	235-265	≈185
Rheodur 140	100	370-410	≈95

Phenalkamine Hardeners

Phenalkamine Epoxy hardeners is a reaction product of distilled cashew nut shell liquid & Poly amines. Our unique structure, gives excellent adhesion & anticorrosive properties. Good for low temperature curing. Helps a formulator with a wide latitude in protective coatings.



		NVM %	Viscosity @ 25° C [cPs]	Density KG / L	AHEW
Solventless Phenalka- mines	7040	Solventless	1000-4000	0.98-1.10	81
	7041	Solventless	20000 - 50000	0.97-0.99	130
	7041-LV	Solventless	100-3000	0.97-1.00	125
Epoxy Adducts of Phenalk- amines	7009	58-62	500-1500	0.97-1.00	190
	7062	63-67	300-2300	0.95-0.98	174
Reactive diluent	7513	>99	40-70	0.95-0.98	-

EPOXY, PHENALKAMINE HARDENERS & AMINO RESINS

Polyrheo is a global hardener and cross linker producer with a worldwide distribution. Our Raw Materials are from the purest sources, made with consistent high quality throughout the world. From Basics to Specialties we also provide high performance system solutions.

We are a truly global chemicals company that will enhance your Competitive Advantage through Trust, Partnership and Innovation.

Our focus is to provide you with the best quality products, with unbeatable service.



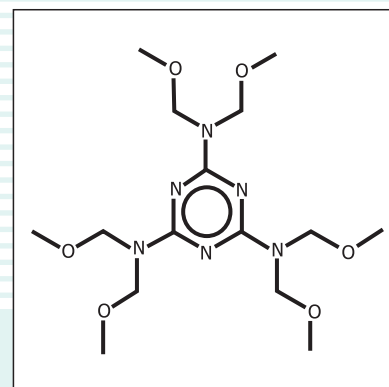
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Rheomine 303

CROSS LINKING AGENTS HEXA METHOXY METHYL MELAMINE

Rheomine 303 is a versatile cross linking agent for a wide range of reactive materials. The reactive materials should contain either hydroxyl, carboxyl or amide groups and would include alkyds, polyesters, acrylic, epoxy, urethane, and cellulosic. Used in Coil Coatings, High solids finishes, Water borne finishes, Automotive finishes, Industrial Coatings, Inks, etc

Properties	Range
Appearance	Clear and water white liquid
Specific Gravity @ 25°C	1.20
% Solids min.	98%
Viscosity @ 25 °C, (gardner)	2500-6000 poises



Amino Resins

Amino resins - UF & MF - are made under strict quality controls.

UF resins - Recommended for use in Industrial Coatings, Baking enamels, Wood Coatings, Pre-Catalysed & Acid Curing finishes.

MF resins - Recommended for use in Automotive Coatings & Baking enamels.

% Free Formaldehyde < 0.3

		Viscosity Poise	Solids	Acid Value
UF Resins (Urea Formaldehyde)	Rheomine US 8	5-10	58-62	-
	Rheomine UI 21-60	10-20	58-62	-
	Rheomine UI 20 HS	30-60	85-90	-
MF Resins (Melamine Formaldehyde)	RHEOMINE MB 138 X70	30-60	68-72	2 max
	RHEOMINE MB 611	30-60	58-62	2 max

TDI 80/20

Polyurethane Hardeners

High Purity PU hardener, Isomer Ratios : 2,4 Isomer - 80 % & 2,6 Isomer - 20 %, Recommended for the production of Flexible Polyurethane Foams and other PU applications including Paints, Elastomers, Synthetic leather, coated Fabrics and Adhesives.

