



## Curing Agents

### epoxa us™ 60-01

#### Description

epoxa us™ 60-01 is a medium viscosity reactive polyamide curing agent derived from polyamines and fatty acids (dimerized). This is a general purpose curing agent for epoxy resins that is usable in many industries such as an adhesive, grouts, potting, coatings, caulks and solvent borne coatings. It can be blended with other amine hardeners and can be used with a wide range of epoxy resin types.

#### Suggested uses

- \* Coatings, marine and land based
- \* Coal tar epoxy systems
- \* Maintenance
- \* Encapsulation, casting and potting
- \* Adhesives, grouts and caulks

#### Key Features

- Good water resistance
- Excellent bonding, non critical mixing ratio
- Excellent flexibility
- Good toughness
- Good substrate and pigment wetting

#### Sales Specification

Property	Units	Value	Test Method/Standard
Amine value	mg/g	345	ASTM D2896
Viscosity at 40c	cP	7800-11500	ASTM D2196
Color	Gardner	<9	ASTM D1544

#### Typical Properties

Property	Units	Value	Test Method/Standard
Equivalent weight, approx.		126	
Density @ 25 °C	lbs/gal	8.12	

## 60-01

Flash point	° C	>110	ASTM D3278
Appearance		Ambar Liquid	
Mix ratio with			
EEW 188-192 epoxy	phr	50-70	

### Performance Properties

Properties of epoxy resins combined with epoxa us 60-01 curing agent cured 1 day at room temperature plus 2 hours at 100c

Resins and Hardener	Units	A	B	C	D
epoxa us 1600-01		100	100		
epoxa us 1700-01				100	
epoxa us 1850-01					100
epoxa us curing agent 60-01		55	69	69	69

### Handling Properties

25°C

Viscosity, Mixed	cP	21200	22100	5600	4200
Peak Exotherm	°C	68	63	69	68
Pot life, 250 g, 25 °C	min	95	105	118	130

### Cured Properties

Heat Deflection Temperature	°C	76	73	56	51
Tensile Strength 14 days 25c	psi	8600	7660	6000	6000
Tensile modulus	ksi	381	342	349	305
Tensile Elongation	%	3.8	5.7	6.8	10.5
Flexural Strength	psi	12700	12100	11800	10200
Flexural Modulus	ksi	350	340	349	298
Compression Strength	psi	34000	31875	32100	22988
Compression Modulus	ksi	280	260	280	200
Hardness	D Shore	85	80	79	72

## Performance Properties

Chemical properties of epoxy resins combined with epoxaus 60-01 curing agent cured 1 day at room temperature plus 2 hours at 100c

Percentage Weight Gain	Units	A	B	C	D
Water					
24 Hours	%	0.11	0.20	0.17	0.22
7 Days	%	0.44	0.53	0.53	0.70
5% Acetic Acid					
24 Hours	%	0.58	0.55	1.27	1.50
7 Days	%	1.69	1.70	3.69	4.21
50% Xylene / 50% Isopropanol					
24 Hours	%	2.78	2.74	13.10	8.22
7 Days	%	7.90	7.10	Fragmented	

## Storage, Handling and Safety

Please read and understand the latest MSDS before using epoxaus 60-01

Please refer to epoxaus website for more information on shelf life.

Exposure to these materials should be minimized and avoided, if feasible, through the observance of proper precautions, use of appropriate engineering controls and proper personal protective clothing and equipment, and adherence to proper handling procedures. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheet (MSDS) for these and all other products being used are understood by all persons who will work with them. Questions and requests for information on epoxaus incorporated products should be directed to your epoxaus sales representative. Information and MSDSs on non epoxaus products should be obtained from the respective manufacturer.

## Packaging

Available in gallon and drum quantities.

## Contact Information

For product prices, availability, or order placement, MSDS and technical help please contact us.

[www.epoxaus.com](http://www.epoxaus.com)

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