

VERSAMID® 150 Polyamide Curing Agent

Product Description

VERSAMID® 150 curing agent is a low viscosity, reactive polyamide based on dimerized fatty acid and polyamines designed for use with solid or liquid epoxy resins to provide tough, chemical resistance to thermoset coating and potting applications that cure at room temperature. VERSAMID® 150 curing agent and epoxy resin systems offer significantly lower viscosity than VERSAMID® 140 systems, while its chemical and solvent resistance, flexural strength and compressive strength properties are similar. VERSAMID® 150 systems will normally provide a faster cure rate and slightly less flexibility than VERSAMID® 140 systems.

Applications

- Industrial maintenance surface coating applications
- Primers
- Encapsulating potting and laminating applications
- Low viscosity, thermoset adhesive formulations

Features

- Excellent resistance properties
- Fast cure rate

Key Specified Properties

Property	Value
Color, Gardner, max	9
Viscosity (Brookfield) at 75 °C, cP	3,500 - 4,500
Amine value, mg KOH/g	230 - 246

Typical Properties

Property	Value
AHEW	198
Amine value, mg KOH/g	230 - 246
Density, lb/gal	8.1
Flash point (Seta)	>200°F

Processing

Mix ratio with 190 EEW liquid epoxy is 54 phr. Due to chemical reaction, VERSAMID® 150 and epoxy resins should not be mixed until just prior to use.

Typical Chemical Resistance Properties

Chemical	% weight gain
10% Acetic acid	11.57%
10% Hydrochloric acid	1.09%
10% Sulfuric acid	1.69%
10% Sodium Hydroxide	0.52%
Methyl ethyl ketone	Destroyed
Xylene	13.11%
Ethanol	6.44%

Percent weight gain after 7 day cure at 25°C followed by 21 day immersion at 25°C.

Typical Properties of a VERSAMID® 150 Cured Coating

Property	Value
Tack Free Time, hours	6.5
Through-cure time, hours	11.5
Pot Life, hours	2.5
Gel Time, minutes	108
Tensile Strength, psi	7,800
Elongation, %	5.1
Flexural Modulus, kpsi	330
Compressive Strength, psi	10,600
Tg, °C max	87

Cured with 190 EEW liquid epoxy resin for 7 days at 25C

Storage

VERSAMID® 150 curing agent should be stored in a dry place, in its sealed original container, at temperatures between **2°C to 40°C (35.6°F to 104°F)**. Under these storage conditions the shelf life is **24 months** from date of manufacture. The product should not be exposed to direct sunlight.

Precautionary Statement

Huntsman Advanced Materials Americas LLC maintains up-to-date Safety Data Sheets (SDS) on all of its products. These sheets contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products. Users should review the latest MSDS to determine possible health hazards and appropriate precautions to implement prior to using this material.

First Aid!

Refer to SDS as mentioned above.

KEEP OUT OF REACH OF CHILDREN

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