

Aradur^ä 955

A Liquid Polyamidoamine Hardener

General	Aradur 955 is a modified liquid polyamidoamine developed especially for use with liquid epoxy resins. This hardener combines the advantages of aliphatic amines and amino polyamides and is particularly useful for applications on concrete.	
Chemical Description	A formulated polyamidoamine adduct	
Applications	Adhesives Castings Coatings Flooring Potting Tooling Wet lay-up for laminating	
Advantages	Cures well in high humidity atmospheric conditions Excellent adhesion, bonds well to concrete Good chemical resistance Good heat resistance, cures well at normal temperature of 21°C (70°F) or above* Has a simple and non-critical mixing ratio * Do not use below 15°C (60°F).	
Typical Properties*	Visual Appearance	Clear, no contamination
	Color, Gardner, max	9
	H ⁺ Active Equivalent, g/eq.	65
	Amine Value, mg KOH/g	500 - 580
	Viscosity @ 25°C (77°F), mPa s (cPs)	500 - 900
	Density @ 25°C (77°F), g/cm ³ (lb/gal.)	0.98 (8.2)
	Flash Point, Closed Cup, °C (°F)	>93 (>200)

request.

* Typical properties are based on Huntsman's test methods. Copies are available upon

Formulations

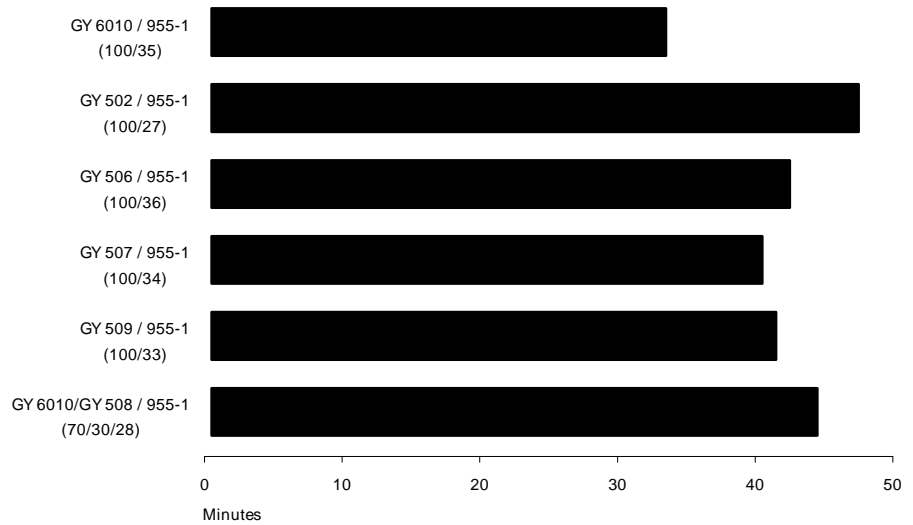
Recommended Resins:

Aradur 955 is quite reactive at room temperature. The pot life and maximum exotherm will depend on choice of resin, size of batch, ambient temperature and the type and amount of filler used. Severe exotherm will result if large masses of unfilled resin and hardener are mixed.

Properties of Aradur 955 with different Araldite[®] Epoxy Resins

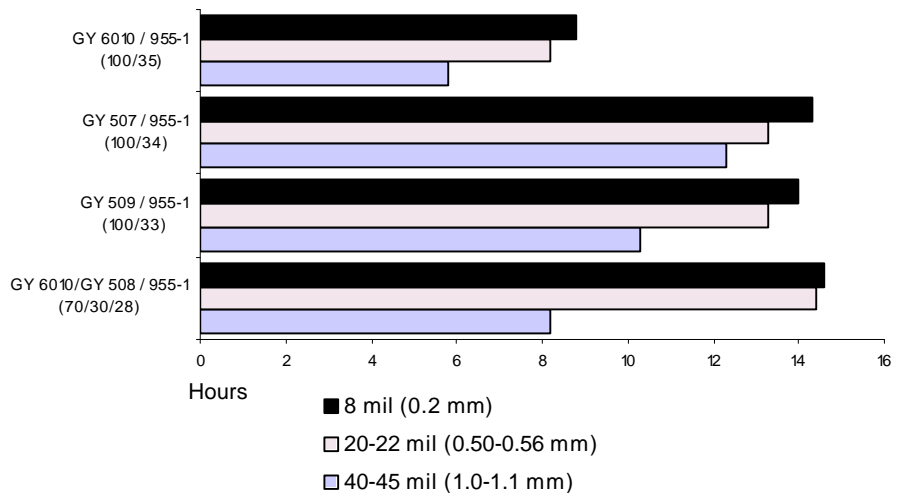
Pot Life @ 25°C (77°F) 100 g mass

Resin/Hardener Mixture
(Weight Ratio)



Tack-free Time @ 25°C (77°F)

Coating
Identification



Formulations (continued)	Properties of Unfilled Cured System		
	Composition	Parts by weight	
	Araldite GY 6010	100	
	Aradur 955	35	
	Initial viscosity of mix @ 25°C (77°F), cPs	6,400	
	Pot life 100g @ 25°C (77°F), min.	30	
	Cure schedule	14 days @25°C (77°F)	Gel @ RT+2 hrs @100°C (212°F)
	Physical properties @ 25°C (77°F)		
	Tensile strength, psi	8,500	10,000
	Tensile elongation, %	2.5	7.0
	Flexural strength, psi	16,000	—
	Compressive strength, psi	13,000	—
	Hardness, Shore D	85	—
	ASTM deflection temperature, °C (°F)	59 (138)	85 (185)
	Water absorption, 24 hour, %	0.17	—

FDA Status Coatings fully cured with bisphenol A diglycidyl ether resin conform to listings in the Food & Drug Administration regulation 21 CFR 175.300, for the safe use as a food-contact surface under the conditions described in this section.

Packaging & Storage Aradur 955 is supplied in a 425 pound steel drum. This material should be stored at room temperature in the original sealed container away from excessive heat and humidity (actual expiration date appears on the label).

Handling/Safety Precautions **Danger! Corrosive, can cause eye and skin burns.**

Do not get in eyes, on skin or on clothing.
 Avoid breathing vapor, mist or spray.
 Use with adequate ventilation.
 Promptly remove wet, contaminated, non-impervious clothing and wash before re-use.
 Destroy contaminated leather and absorbent shoes.
 Wash thoroughly after handling.
 Store in tightly closed containers in a cool, dry area.
 Wear appropriate equipment to avoid personal contact.

**Read Material Safety Data Sheet Before Using.
 For Industrial Use Only.**

First Aid**In case of contact:**

Eyes: Immediately flush with water for at least 15 minutes. Contact a physician.

Skin: Promptly wash thoroughly with mild soap and water.

Inhalation: Remove to fresh air. Give oxygen if breathing is difficult.

Ingestion: If conscious, give plenty of water, get medical attention.

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Note

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Vantico Inc.
Advanced Materials
281 Fields Lane
Brewster, New York 10509
Tel.: (914) 785-3000
Fax: (914) 785-3472

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