

**Advanced Materials****Araldite<sup>®</sup> GY 502****LOW VISCOSITY MODIFIED EPOXY RESIN**

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<b>GENERAL</b>	Araldite <sup>®</sup> GY 502 is a low viscosity, non-reactive diluent (dibutyl phtalate) modified bisphenol A epoxy resin. Araldite <sup>®</sup> GY 502 can be crosslinked with the hardeners typically used with standard liquid epoxy resins	
<b>CHEMICAL DESCRIPTION</b>	Liquid bisphenol A based epoxy resin	
<b>APPLICATIONS</b>	High solids and solvent free coatings Adhesives Castings Flooring Laminating	
<b>TYPICAL PROPERTIES*</b>	Visual Appearance	Clear, no contamination
	Color, Gardner, max.	3
	Epoxy Value, eq/kg	4.20 - 4.50
	Epoxy Equivalent Weight, g/eq	222 - 238
	Viscosity @ 25°C. cPs	2,100 - 3,600
	Density @ 25°C (77°F), g/cm <sup>3</sup> (lb/gal)	1.13 (9.45)
	Flash Point, Closed Cup, °C (°F)	204 (400)

request.

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

**SUGGESTED  
FORMULATIONS****Part A**

Grind the following to Hegmann 6-7

	<b>Pounds</b>	<b>Gallons</b>
Araldite <sup>®</sup> GY 502	273.0	28.7
TiO <sub>2</sub>	228.0	6.5
Bentone SD2*	16.5	1.1
MIBK	26.0	3.9
Aromatic 150**	22.0	2.9
Glycerin	2.0	.2

Then let down with

MIBK	21.5	3.2
Aromatic 150	<u>26.0</u>	<u>3.5</u>
	567.5	50.0

**Part B**

HX 815 X-70	300.0	38.3
CaCO <sub>3</sub> ***	115.0	5.1
1-Methoxy-2-propanol	18.0	2.3
Bentone SD2	9.0	.6
Aromatic 150	<u>28.0</u>	<u>3.7</u>
	470.0	50.0

- \* NL Industries
- \*\* Exxon
- \*\*\* OmyaCarb UF

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**PACKAGING & STORAGE**

Araldite® GY 502 is supplied in 500 pound steel drums. This material should be stored at room temperature in the original sealed containers (actual expiration date appears on the label).

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**SAFETY/HANDLING  
PRECAUTIONS**

**Warning ! Causes irritation. May cause allergic skin reaction.**

Avoid contact with eyes, skin or clothing.  
Avoid breathing vapor, mist or spray.  
Use with adequate ventilation.  
Promptly remove wet, contaminated non-impervious clothing and wash before reuse.  
Destroy contaminated leather shoes.  
Wash after handling.  
Store in dry area in closed containers.

**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. Get medical attention.

**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 and induce vomiting.

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