

TM
HyPox UA11
Epoxy Resins Modified with a
Thermoplastic Polyurethane
CAS NO. Mixture

DESCRIPTION

HyPox UA11 is a standard Bisphenol A epoxy resin system which has been modified with a select thermoplastic polyurethane (TPU). HyPox UA11 was designed to provide adhesion to vinyl; as an example, sports surfaces, but at a lower viscosity than HyPox UA10. Curing agent selection, to obtain adhesion to vinyl, is very important. CVC recommends evaluating polyamides and amidoamines for this application. Choose your curing agent based on viscosity and pot life considerations. For very difficult to bond surfaces the addition of from 1 to 5 phr M-Pyrol to your formulation is suggested. The solvent will help "bite into" the vinyl surface, and will reduce the viscosity of your formulation.

HyPox UA11 can also be used as a resin which will help to flexibilize and toughen formulations.

APPLICATIONS

- ☐ Adhesives for PVC
- ☐ Toughening or flexibilizing resin
- ☐ Improvement of peel strength
- ☐ Improvement of thermal shock resistance

TYPICAL PROPERTIES

Appearance	Clear, Clean
Viscosity @ 25°C, centipoise	25,000 – 45,000
Epoxide Equivalent Weight, g/eq	210 - 220
Gardner Color, max	2 (off hue)
Weight per Gallon, @ 25°C, lbs.	9.56 ± 0.1

HEALTH & SAFETY PRECAUTIONS

HyPox UA11 is not a primary skin irritant and sensitizer. However, as with any epoxy material, irritation can result from repeated or prolonged contact. The symptoms of this irritation may appear as a mild reddening or a more pronounced rash. It is, therefore, important to avoid skin contact where possible. Rubber gloves, full eye protection, and protective clothing are recommended.

Refer to the **CVC Thermoset Specialties** Material Safety Data Sheet on HyPox UA11 for additional safety & handling information. The MSDS is revised as new data becomes available.

PACKAGING & AVAILABILITY

HyPox UA11 is available in 55 gallon open head steel non-returnable drums (450 lbs. net) and 5 gallon plastic pails (45 lbs. net). Bulk deliveries are available on request.



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HyPox™ UA11

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