

**Isocryl® EP-462**    *Experimental Product*  
**ACRYLIC RESIN**  
**FOR POWDER COATINGS**



THE EDGE OF INNOVATION

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**GENERAL DESCRIPTION**

Isocryl® EP-462 is a solid, glycidyl-functional acrylic binder resin which can be cured with carboxyl or amine functional curatives to provide coatings with a high degree of outdoor durability. For example, Isocryl EP-462 can be cured with dodecanedioic acid to make a smooth, clear, high-gloss coating with excellent durability.

Isocryl EP-462 has a high Glass Transition Temperature and can be used either by itself or in combination with other acrylic resins, for example, Isocryl EP-460 to enhance storage stability of formulated powders.

As with any raw material, laboratory evaluation is required for each formulation to determine the best processing method and the optimum concentration of Isocryl EP-462.

**TYPICAL PROPERTIES\***

Appearance	Ground Clear Flake
Non-Volatile, weight %	98.5 minimum
Specific Gravity (25/25)	1.10 - 1.20
Softening Point, RING & BALL, °C	110 - 120
Epoxy Equivalent Weight	510 - 560
Glass Transition Temperature, °C	55 - 63

\* Not to be used for specification purposes

**BINDER RESINS**

Properties	Isocryl EP-460	Isocryl EP-462
Appearance	Ground Clear Flake	Ground Clear Flake
Non-Volatile, weight %	98.5 min	98.5 min
Specific Gravity (25/25)	1.05 – 1.15	1.10 - 1.20
Softening Point, RING & BALL, °C	100 – 110	110 – 120
Epoxy Equivalent Weight	510 - 560	510 - 560
Glass Transition Temperature, °C	45 - 50	55 - 63

**REGULATORY LISTINGS**

The components of this material are either listed or exempt from listing due to polymer exemption criteria for the following chemical inventory listings: AICS (Australia), DSL (Canada), ECL (Korea), ENCS (Japan), IECSC (China), NZIoC (New Zealand), TCSI(Taiwan), PICCS (Philippines), TSCA (USA).

All components are REACH registered per ECHA requirements.

**PACKAGING (NET WEIGHT)**

250 lb. / 113.4 kg in fiber drum with polyolefin liner

55 lb. / 25.0 kg in fiberboard box with polyolefin liner

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**PRODUCT AVAILABILITY**

This product is experimental and subject to change. Please contact your Estron Sales Representative for lead time and availability.

**STORAGE AND HANDLING**

Store in a dry, cool area and avoid excessive heat. Keep containers tightly closed. Store at less than 86°F (30°C). Shelf life of unopened containers is one year from date of shipping. Refer to the SDS for additional information.

**CONTACT INFORMATION**

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*Revision Date: December 18, 2018*  
*Allen*

*TDS Revised by: A. Chizhikova TDS Approved by: F.*