

Technical Data Sheet

Secondary Insulation

ELAN-Plus™ BS-307 Diluent

(Diallyl Phthalate Monomer)

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Product Description

ELAN-Plus™ BS-307 is a reactive monomer based on diallyl phthalate (DAP). It polymerizes in the presence of heat and peroxide initiators.

Areas of Application

Co-reactant and viscosity adjuster for unsaturated polyester resins

Features and Benefits

- Excellent room temperature stability
- Lower vapor pressure than styrene or vinyl toluene
- Higher flash point than styrene or vinyl toluene

Instructions for Use

ELAN-Plus™ BS-307 should be added at room temperature to DAP-based unsaturated polyester resins to adjust resin viscosity.

NOTE: DAP-based unsaturated polyesters typically advance in viscosity as a result of accumulated heat history, not monomer loss. Addition of excessive amounts of ELAN-Plus™ BS-307 to lower the resin viscosity should be avoided as it could be detrimental to cured film properties.

See ELANTAS PDG Technical Bulletin TI-4001 for resin tank maintenance instructions

Transportation / Storage

Store below 25°C / 77°F in a dry, controlled environment, out of direct sunlight. This material should be suitable for use stored under these conditions in the original sealed containers for twelve (12) months from the date of shipment.

Health / Safety

ELAN-Plus™ BS-307 is a reactive material that may undergo hazardous polymerization with exposure to excessive heat.

Refer to the Material Safety Data Sheet for additional storage and handling information.

Typical Properties of Material as Supplied

Property	Conditions	Value	Units
Appearance		water-white	
Weight per Gallon	25°C / 77°F	9.2 – 9.5	pounds
Flash Point	ASTM D93	166 331	°C °F
Boiling Point		157 - 165 315 - 330	°C °F
Vapor Pressure	25°C / 77°F	.0002	Torr

The above properties are typical values and are not intended for specification use.

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