Solmer

SOLTECH LTD.

368-2, SANMAKDONG, YANGSAN,
KYOUNGNAM, 626-120, KOREA.
TEL : 82 55 387 6468
FAX : 82 55 387 6470
E-MAIL : th.choi@uvpia.com
URL : http://www.uvpia.com

Epoxy Acrylate

SE 1605

Descriptions

SE 1605 is a partially acrylated ester of a bisphenol A type epoxy resin. It contains both acrylate and epoxy functionalities. This resin may be cured by exposure to either ultraviolet light (UV) or electron beam (EB) in conjunction with conventional epoxy curing. It may also be cured with UV radiation using a mixed photo initiator system consisting of free radical and cationic photo initiators. SE 1605 has been developed for applications requiring improved coating performance properties over those obtainable with conventional UV/EB curing alone.

Features

- Both acrylate and epoxy functionalities.
- Good adhesion on metal and non-porous substrate.
- Improved flexibility over other epoxy acrylates.
- Good cure response
- Good solvent resistance
- High gloss.

Specifications

- Viscosity (mPa.s, 60℃)	800 ~ 1,200
- Color (Gardner)	5 Max
- Density (g/㎤)	1.17
- Polymer solid% by weight	100
- Acid value	1 Max

Applications

- Curing system: ultraviolet light(UV), electron beam(EB)
- Method: lithographic, screen, gravure, roll and curtain coating
- Substrates: metal
- Coatings and inks for metal substrates including aluminum
- Portions of the curable material are in "shadow" areas
- Thermal post-curing will enhance coating properties
- 2 component curing systems

Handling

Storage :
Avoid continuous staying over than 40℃
Handle with care and avoid unnecessary personal contact.
Avoid contact with eyes and prolonged or repeated skin contact.
Avoid continuous or repetitive breathing of dust.