



CAPE

CREATIVE ADVANCED
POLYMER ENGINEERING

Rev : TB-EALP-A

TECHNICAL BULLETIN

ELASTOWET- α (Alpha)

DESCRIPTION

Elastowet- α is another version of specially formulated wetting and conditioning compound for thermosetting transfer mold after the cleaning cycle.

Elastowet has good compatibility with Rubclean, mold cleaning compound produced by Cape Technology Sdn. Bhd., Malaysia.

ADVANTAGES

- ~ Elastowet- α has excellent conditioning properties with minimum shot of application without creating any quality problem, eg. Solder-ability problem, over-waxing issue to the mold cavities after mold cleaning.
- ~ Shorter cure time is required since this compound is specially formulated as a fast cure series to improve productivity.
- ~ No lead frame is required for mold conditioning.
- ~ No preheating is required.
- ~ Good release from mold after curing.
- ~ Shorter time is required for mold conditioning.
- ~ Overall productivity gain and cost saving.

APPLICATION PROCEDURES

- ~ Place Elastowet on the mold chase as per recommended by Cape Technology's technical personnel. Normally, number of strip to use is 1 to 3 depending on the dimension and design of the package and molding compound used.
- ~ Close the mold to compress Elastowet to achieve complete filling in the cavities. Over clamping the compound may cause releasing difficulty from mold.
- ~ Suggested compound cure time is depending on mold temperature. For normal molding temperature of 175 +/- 5 °C, the compound cure time required can be from 120 to 300 seconds.
- ~ Remove the cured compound from the mold and continue if extra shots are needed for desired conditioning properties.
- ~ Over curing of Elastowet (more than 10 mins for 175 °C) might create sticking problem to the mold.

HANDLING PRECAUTIONS

It is recommended to review the Material Safety Data Sheet for Elastowet- α prior to use. For further information, please contact Cape Technology Sdn. Bhd.

TYPICAL PROPERTIES

Appearance	Grey solid in strip form
Specific Gravity	1.1 to 1.3
Dimension	Varies per customers' requirements
Flash Point (°C)	Not applicable
pH	Neutral to Mild Alkaline
Solubility	Not soluble in water

STORAGE REQUIREMENTS

Storage Condition	Elastowet must be kept at a cool and dry place, with no direct sunlight. Extra exposure of Elastowet to light may cause discoloration. It is recommended to use up Elastowet within 48 hours after the individual packing bag is opened as excessive moisture may cause sticking to the mold and bubbling problem.
Shelf Life	6 months at air-conditioned room (18 – 28°C)

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