Product Information Sheet

RC 1120 Clear UV Adhesive

HighTechnology

Light Technology Specialists

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Properties

RC 1120 is a clear ultra violet curing adhesive, formulated for use on film to board and film to film bonding. It gives high bond strength when used with suitable boards and treated/coated films. This adhesive is formulated for low migration and low toxicity when fully cured.
RC 1120 can also be a good barrier for chemicals, moisture and gases. Good with difficult films and boards.

Special Features

Fast curing with good solvent, chemical and water resistance.
Low odour, Benzophenone free, used on food packaging.
Exceptional wet out and bond with suitable boards and films.
Formulated *without* toxic chemicals.
Fully cured adhesive film will provide good barrier properties.

Areas of Use

Board to film food packaging (sandwich skillets), labels for food packaging and film to film food packaging.

Drying/Curing

High intensity, focused medium pressure ultraviolet arc lamps can be used.
Power levels from 180 watts per cm to 240 watts per cm (above 200 watts may require water-cooled lamps), running curing/drying speed will be dependent on power level and number of lamps used.
One or two UV lamps are more common on most machines.
Running speeds can be up to 150 metres per minute with one 200 watt lamp and much higher speeds with higher power and more lamps.

Solids/Non Volative Liquid

100%

Coating Levels

Approx 4 to 7 gsm.

Viscosity

RC 1120 is supplied press ready to run on Flexographic and Gravure coater type units.
The viscosity is supplied at a range which ensures maximum flow and bonding on Press and will depend on type of press, materials bonded, running speeds and coating applicator.

Storage and Usage

RC 1120 Adhesive should be used within three months and stored no longer than six months. Sealed light impervious containers must be used and kept stored in dry ambient (16-28 Centigrade) conditions. Exposure to any ultraviolet light or sunlight may cause premature viscosity increase, gelling and curing to a solid. Exposure to high temperatures greater than 50 degrees centigrade and sunlight could also cause bulk exothermic high temperature reactions and curing/crosslinking to a gel or solid form.

Health and Safety

UV Primers are classed as irritants and as such should be prevented from coming into contact with you or any other person. Irritants have the potential to sensitise. Personnel with sensitive skin would need to take strict precautions in the use of these products. Gloves/goggles/glasses overalls and other suitable protective wear must be used were necessary to protect from any personnel contact.

High Technology

Light Technology Specialists

We specialise in light technologies including light measuring equipment (IR, UV, visible), light curing coatings, inks, adhesives, lamps and equipment.

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