

RA-668W

Water-based Release Coat

Introduction: RA-668W Release Coat is a water-soluble polyester acrylic used to provide release characteristics in paper and film products. It is ideal for use on pressure sensitive tapes and labels as well as other substrates requiring release. RA-668W Release Coat is to be applied to the reverse or non-adhesive side of the substrate. It is printable using conventional flexographic inks and will accept normal ballpoint, marker inks, and jet printer inks. The RA-668W is composed of ingredients that are in compliance with FDA for direct and indirect food contact.

Material Description: Water Soluble Polyester acrylic Release Coat

Chemical Name: Polyester acrylic co-polymer

Empirical Formula: Proprietary Blend

CAS #: Proprietary Blend

Molecular Weight: Proprietary Blend

Physical Properties:

Appearance:	Milky Colored Dispersion
Solids Content:	20 ± 0.5 %
Solvents:	Water
pH:	7.8 – 8.2
Specific Gravity:	~1.07
Viscosity:	<50 cps
Density:	8-9 lbs/gal
Soluble:	Dispersible in water
Flash Point:	>100 °C (>212 °F) [Closed cup]

Mixing Instructions: Depending on the type of substrate and pressure sensitive adhesive, the concentration of solid matter required should be determined by laboratory trial. RA-668W Release Coat diluted to between 1% to 2.5% solids will be adequate in most pressure sensitive applications. Dilute with distilled water, and stir well before use.

Application Methods: Apply RA-668W using Meyer rod, Anilox or Gravure rollers at 4-5 gm/m². Dry coating thoroughly at about 100°C depending on web speed and oven efficiency before rewinding. Complete drying of the applied coating must occur prior to rewind to avoid degradation of release performance. To insure maximum performance, a cure temperature of 210 °F must be achieved. By flexographic printing, apply using 200 - 300 line anilox rolls.

Applications: RA-668W is a premium coating developed for hot and cold substrates. RA-668W works best on paper when the sheet is sealed using a base coat. It is designed for release of baked goods and for pressure sensitive applications. It is excellent for masking tape and pressure sensitive label applications in which superior release properties are desired. It is printable.

Advantages:

- Recyclable and repulpable.
- Printable.
- No adverse effects on color, air permeability or strength of paper substrates.
- Composed of ingredients that are in compliance with FDA for direct and indirect food contact.

Packaging:

RA-668W Release Coat is available in a 450 lb. (204.2 kg) drum. It can be special ordered in a 40-lb pail, with an upcharge.

Storage:

Keep away from fire and sunlight. Protect eyes and skin from direct contact and avoid inhaling. Do not store below 5°C or over 40°C. Keep container tightly closed.

NOTICE: RA-668W has a short shelf life compared to other Mayzo release coats. Under warm storage conditions, the shelf life is less than THREE months. This shelf life can be extended by storage in a cool environment or in a refrigerator, or in a diluted state at a pH between 7.5 and 8.

Toxicity & Safety:

This material is not intended for use in products for which prolonged contact with mucous membranes or abraded skin, or implantation within the human body is specially intended, unless the finished product has been tested in accordance with the Food and Drug Administration and/or other applicable safety testing requirements. Because of wide range of such potential uses, Mayzo, Inc. is not able to recommend this material as safe and effective for such uses and assumes no liability for any such uses. Read and understand the Material Safety Data Sheet before using or handling this product.

FDA Regulations:

The RA-668W is composed of ingredients that are in compliance with FDA for direct and indirect food contact. Contact your Mayzo representative if you need more details on the FDA approvals.

Revision 11/21/06: Solids content changed to 20 ±0.5%.

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