

Release ST 3

OBSOLETE

Description

PRINTABLE RELEASE COAT FOR UNTREATED PP ADHESIVE TAPES.

RELEASE ST3 is a solventborne compound, formulated with synthetic resins. It has been developed to be applied on packaging tapes backside, with solventborne rubber adhesives. The final result is an easy printable tape which can be printed with a one step process using suitable polyamidic inks such as COLOR INK PP PAM + ADD.

Technical Specifications

Method of analysis	MU	Standard
- Solvents		toluene / xylene
1. Total Solids	%	
RELEASE ST3		2.9±0.20
3. Brookfield Viscosity 25°C	mPa.s	
RELEASE ST3		10 - 100 ⁽¹⁾

⁽¹⁾ No 1 RV; 100 RPM

Handling

Before taking any quantity from the original container, RELEASE ST3 must be warmed and stirred until perfectly homogeneous.

Suggested coating weight is 0,15 g/sqm dry (4-5 g/sqm wet) on untreated BOPP film.

The coating must be perfectly dry and the adhesive must retain less than 0,6 g/sqm of residual solvent.

PP tapes coated with RELEASE ST3 and solventborne rubber adhesives can be easily printed in a one step process.

The printing machine must have specific setting

(we suggest to contact SIAT for the best set-up), e.g.: the large cylinder (opposite to the printing rolls) must be heated at minimum 40 - 50°C.

Before printing, a felt must brush off the surface very well. After printing, a good drying and cooling action must be provided by efficient fans.

Ichemco recommends its own series of polyamidic inks (COLOR INK PP PAM + ADD or COLOR INK PAMC) designed for this process. Ichemco also supplies ADDITIVE ST2, an additive that can be added to the pure inks (COLOR INK PAMC) before Printing in order to prevent any ink transfer.

Other suitable inks to combine with ADDITIVE ST2 should be available on local markets.

However, preliminary tests must be carried out with ADDITIVE ST2 to determine the correct amount to be added.

Storing

RELEASE ST3 tends to jellify at temperatures below +18°C, so it is suggested to store it at temperatures above +18°C. In case of partial solidification, it is sufficient to warm (30-35°C) and stir to restore the product to its original condition.

Keep protected from direct sunlight and heat sources.