Certified Quality and Environmental Management Systems

Release ST3 M

(Provisional)
OBSOLETE

Description

PRINTABLE RELEASE COAT FOR UNTREATED POLYOLEOLEFINIC BACKING ADHESIVE TAPES. RELEASE ST3M is a new compound borne on Synthetic Resins, to be applied on packaging tapes back side, specifically designed for rubber based PSA. Due to its outstanding anchorage properties to non-polar substrates, it can be applied directly on untreated BOPP Films. The final result is an easy printable tape which can be printed with a one step process using suitable polyamide inks such as COLOR INK PP PAM+ADD.

Application

Before taking any quantity from the original drums, RELEASE ST3 M must be warmed and stirred until perfectly homogeneous. Dilute it accordingly to the coating technology.
Suggested coat weight is 0.15 g (dry)/sqm.
For standard applications, dilute with toluene at 3% and coat 4-5g (wet)/sqm on untreated BOPP film.
Coating must be perfectly dry and adhesive must retain less than 0.6 g/sqm of residual solvent before winding it on the jumbo roll.
Application temperature of the product shall never be below 20°C, preferably between 30 and 40°C.

Technical Specifications

Method of analysis	MU	Standard
-. **Solvents**		toluene
1. **Total Solids**	%	
RELEASE ST3 M		25±1

Handling

BOPP solvent adhesive packaging tapes coated with RELEASE ST3 M can be easily printed in a one step process with Siat printing machines. However, the printing machine must have specific settings (we suggest to contact SIAT), i.e. the large cylinder (opposite to the printing rolls) must be heated at minimum 40 - 50°C. Before printing, brush off the surface very well with a felt.
Ichemco also offers a complete range of polyamidic inks (COLOR INK PP PAM + ADD, COLOR INK PP PAMC series) together with ADDITIVE ST2, designed for this process. Other suitable inks should be available on the local markets. However preliminary tests must be carried out with ADDITIVE ST2 to determine the correct amount to be added.

Storing

RELEASE ST3M must be stored at a temperature not below 18°C to prevent it from freezing. In case of partial or total solidification, warm (30-35°C) and stir it for 2-3 minutes before use. The product will return as fluid as before.

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