



Release KB 100 A

Description

RELEASE KB 100 A is a synthetic polymer with high molecular weight in a 100% solid powder form. When in solution, it is a very efficient release agent for polyolefins and substrates with low melting point (PE, PP, PVC, PET), coated with natural rubber, synthetic rubber and/or acrylic adhesives. It is not recommended for hot-melt pressure sensitive adhesives.

The product does not contain silicone components.

Application

RELEASE KB 100 A can be used on corona treated as well as on untreated films. Concentration range from 0.3% solid to 2% solids depending upon film, coating equipment and desired release force.

RELEASE KB 100 A is soluble in aromatic and aliphatic solvents at temperatures above 35°C.

Solubility of the product in some solvents (concentration 2%):

HEXANE: gel at T<30°C; hazy liquid at T>30°C;

HEPTANE: gel at T<30°C; hazy liquid at T>30°C;

OCTANE: gel at T<30°C; hazy liquid at T>30°C;

HEXANE/2-PROPANOL (70/30): clear, colorless liquid at 20°C;

HEPTANE/ETHANOL (70/30): clear, colorless liquid at 20°C;

HEPTANE/2-PROPANOL (70/30): clear, colorless liquid at 20°C;

OCTANE/2-PROPANOL (70/30): clear, colorless liquid at 20°C;

CYCLOHEXANE: slightly hazy liquid at 20°C;

TOLUENE: clear, colorless liquid at 20°C;

XYLENE: clear, colorless liquid at 20°C.

In order to achieve a continuous and homogenous coating, it is absolutely necessary that RELEASE KB100 A is completely dissolved and that the solution is clear and homogeneous.

Technical Specifications

Method of analysis	MU	Standard
1. Total Solids	%	99±1
5. Melting Range	°C	74 - 82

Handling

Slowly add **RELEASE KB 100 A** to solvent and stir continuously at a temperature between 35 and 50°C.

Handle with care since the solvent is flammable.

The presence and the homogeneity of the application of **RELEASE KB 100 A** can be checked with a UV lamp (wavelength: 365-385 nm).

Packaging

The product is supplied in fibre drums (20 kg).

Storing

RELEASE KB 100 A in 100% solid form can be stored safely at almost all temperatures below its melting point. In solution, it must be stored at temperatures not below 25°C to prevent gelification. In case of partial or total solidification, store the product in a heated place and stir it well at a temperature between 35°C to 50°C before use. The product will return as fluid as before. Do not coat if liquid is not completely clear or if gelification occurred.

Use within 24 months from production date (unopened and in the original packaging).