Release K 100 S

(Provisional)

Description

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

Thanks to its excellent solubility it is particularly suitable for printing applications (BOPP packaging tapes, PE protective films, etc).

RELEASE K100 S is also recommened for the coextrusion of PE and PP films, where a constant release effect over the complete surface can be obtained.

The product is silicone free.

Application

RELEASE K 100 S can be used on corona treated as well as on untreated films. Concentration ranges from 0.3% solid to 2% solids, depending upon film, type, coating equipment and desired release force. **RELEASE K 100 S** is soluble in aromatic and aliphatic solvents at temperatures above 35°C.

In order to achieve a continuous and homogenous coating, the RELEASE K 100 S must be completely dissolved and the solution must be clear and homogeneous.

If used in coextrusion process, **RELEASE K 100 S** must be compounded at 4-5% to the polymer (PE or PP). This masterbatch has to be coextruded in a layer as thin as possible.

Technical Specifications

Method of analysis	MU	Standard
1. Total Solids	%	99±1
5. Melting Range	°C	75 - 85

Handling

Slowly add **RELEASE K 100 S** to the solvent and stir continuously at a temperature between 35 and 50°C till complete dissolution of the powder.
Handle with care, since the solvent is flammable.

Before coating, it is recommended to stir and heat the solution at 30°C at least.

Storing

RELEASE K 100 S in 100% solid form can be stored safely at any temperature 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 occured.

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