



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 recommended 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 occurred.

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