



Release K100 D

Description

RELEASE K 100 D 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. The product does not contain silicone components. Product appearance: White to light yellowish fine powder.

Application

RELEASE K 100 D can be used on corona treated as well as on untreated films. Concentration of the solution prepared for the coating ranges from 0.3% to 2% solids, depending upon film coating equipment and desired release effect.

RELEASE K 100 D is soluble in aromatic and aliphatic solvents at temperatures above 35°C. Recommended aromatic solvent is toluene, while for aliphatic solvents we recommend octane/ethanol or heptane/isopropyl alcohol 3 to1. **In order to achieve a continuous and homogenous coating, it is absolutely necessary that the temperature is kept above 35°C during the whole process.**

Technical Specifications

Method of analysis	UoM	Standard
1. Total Solids	%	99 ± 1
5. Melting Range	°C	85 ÷ 97

Handling

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

Packaging

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

Storing

RELEASE K 100 D 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 using. 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).

Notes

RELEASE K 100 D may be used as a release agent in adhesive sealing tape for indirect food-contact applications.

Ref. Opinion Letter of 22/02/2016 "FDA Status of Release K100 D for Adhesive Tape Applications", Keller & Heckman LLP.