Release K 100 L

(Provisional)

Description

RELEASE K 100 L is a synthetic polymer with very 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 can also be used with hot-melt pressure sensitive adhesives, if the chilling roll is well cooled. This new grade has an high resistance to thermal cycles. The product is silicone-free.
Product appearance: White to light yellowish fine powder.

Application

RELEASE K 100 L can be used on corona treated as well as on untreated films. Recommended concentration ranges from 0.3% to 2% solids, depending upon film, type, coating equipment and desired release force. **RELEASE K 100 L** is soluble in toluene and octane/isopropanol (70/30) at 2% concentration at temperatures above 30°C.

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

Technical Specifications

Method of analysis	UoM	Standard
1. Total Solids	%	99 ± 1
5. Melting Range	°C	72 ÷ 88

Handling

Slowly add **RELEASE K 100 L** 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.

Packaging

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

Storing

RELEASE K 100 L 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.

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

Notes

RELEASE K 100 L may be used as a release agent at application rates up to 0.4 g/m^2 in adhesive sealing tape for indirect food-contact applications. Ref. Opinion Letter of 03/07/2023 " FDA Status of ICHEMCO S.r.l.'s Release Agents ", Keller & Heckman LLP.

Above information is reliable, but does not constitute warranty.

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