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Developing Chemical Excellence

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CERTIFIED MANAGEMENT SYSTEMS
CERTIQUALITY
UNI EN ISO **9001:2015**
UNI EN ISO **14001:2015**
UNI ISO **45001:2018**

Release KF 100

Description

RELEASE KF 100 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 can also be used with hot-melt pressure sensitive adhesives, if the chilling roll is well cooled. The product is silicone-free.
Product appearance: white to light yellowish fine powder.

Application

RELEASE KF 100 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 KF 100** 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 KF100 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	74 ÷ 84

Handling

Slowly add **RELEASE KF 100** 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 KF 100 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 KF 100 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.

ICHEMCO srl
via 11 Settembre, 15 - 20012 CUGGIONO (MI) - ITALY
Phone: +39 02 97243.1 - info@ichemco.it - www.ichemco.it