

Release K 100 HI

OBSOLETE

Description

RELEASE K 100 HI is a synthetic polymer with high molecular weight in a 100% solid form. When in solution, it is a very efficient release agent for tapes with a superior resistance to heat and humidity.

Its particular chemical structure guarantees an excellent anchorage to polyolefins.

RELEASE K 100 HI is produced by a particular polymerization technique that avoids heavy metals catalysts.

The product does not contain silicone compounds.

Application

RELEASE K 100 HI can be used on corona treated as well as on untreated film.

Concentrations range from 0,5% solid to 3% solids depending on film, coating equipment and desired release concentrations.

RELEASE K 100 HI is soluble in aromatic and aliphatic solvents.

Solubility in toluene is fast also at room temperature, while with other solvent mixtures (aliphatic hydrocarbons, alcohols,..) it is necessary to heat the product at 40°C.

Technical Specifications

1. Total Solids	%
RELEASE P 100 HI	99±1
5. Melting Range	°C
RELEASE P 100 HI	92

Handling

Slowly add RELEASE K 100 HI to solvent and continuously stir. If necessary, heat at 40°C.

Be careful as the solvent is flammable.

Packaging

Fiber drums with 25 kg plastic bags.

Storing

RELEASE K 100 HI in 100% solid form can be stored safely at almost all normal temperatures below melting point. Shelf-life is 2 years. In solution, it must be stored at temperature not below 20-25°C to prevent gelification. In case of partial or total solidification, store the product in a heated place and stir it well before use. The product will become as fluid as before. Do not coat if liquid is not completely clear or if solidification occurs.

Solution must be used with great caution because of solvent presence (avoid inhalation, skin contacts and flame presence).

Notes

Cloud point:

5% toluene solution < 23°C

1% heptane/isopropyl alcohol solution (3/1) < 20°C