NSC—3101

≪Features≫

NSC-3101 is the coatings especially for high hardness.

(1) Excellent anti-scratch property
   No significant decrease of anti-scratch property has been observed during prolonged use

(2) Superior abrasion resistance
   Δhaze less than 1% (Taber abrasion test: CS-10F 500g load ×100 rotations)

(3) Relatively long shelf life
   Stable more than 3 months in a refrigerator

(4) Low Carl

≪Typical applications≫

PET Film

≪NSC-3101 cured film properties≫

- Anit-scratch property 1kg load ×100 reciprocation (steel wool #0000) no scratch
- Scratch hardness / Pencil method/ISO 15184 2H
- Taber abrasion test (ΔHaze) (CS-10F 500g load ×100 revolutions) less than 1%
- Refractive index of cured film 1.5
- Adhesiveness (cross cut tape stripping test) 100/100
- Hot water resistance (100degrees C×30min) Appearance no change
- Adhesiveness (cross cut tape stripping) 100/100
- Solvent resistance no change

≪NSC-3101 physical properties≫

- % solid 27%
- Viscosity 3.0mPa·s
- Specific gravity 0.980
- pH 4
- Appearance pale yellow colloidal solution

≪Standard process for PET film≫

- Coating: Bar coater
- Curing: 130 degree C for 2 minutes

≪Applicable thinner≫

PGME/EtOH=1/9～2/8
in the case of loss of low boiling solvents by vaporization
over dilution may cause undesirable effects

≪Packing≫

NSC-3101 18kg UN certified poly-drum

≪Storing≫

- tightly sealed, store in cool and dark area. Before use, warm to room temperature.

≪Cautionary statement≫

- Flammable—keep fire away. Need appropriate ventilation
  - in the case of eye contact, washing with plenty of running water and ask physician immediately
  - in the case of awful feelings caused by inhalation of vapor or accidental ingestion, ask physician immediately.
  - in the case of skin contact, washing with plenty of running water immediately.
    If you feel itch or inflammation, ask physician.

contact information