



NSC-3101

《Features》

NSC-3101 is the coatings especially for high hardness.

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|------------------------------------|---|
| (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 lotations) |
| (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