



NSC-5140

《Features》

NSC-5140 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..... Δ haze less than 1%
(Taber abrasion test: CS-10F 500g load \times 100 lotations)
- (3)Good finish without orange peel skin, cruck nor chalking
- (4)Excellent weather resistance..... Stable more than 144hrs by QUV test
- (5)Relatively long shelf life..... Stable more than 3 months in a refrigerator



《Typical applications》

For optical lens, CR-39, Nylon, PU and PC
for PC, primer treatment will be required

《NSC-5140 cured film properties》

Anit-scratch property 1kg load \times 100 reciprocation (steel wool #0000)	no scratch
Taber abrasion test (Δ Haze) (CS-10F 500g load \times 100 lotations)	less than 1%
Adhesiveness (cross cut tape stripping test)	100/100
Hot water resistance (100degrees C \times 30min)	
Appearance	no change
Adhesiveness(cross cut tape stripping)	100/100
Solvent resistance	no change
Weather resistance	stable more than 144hrs by QUV test

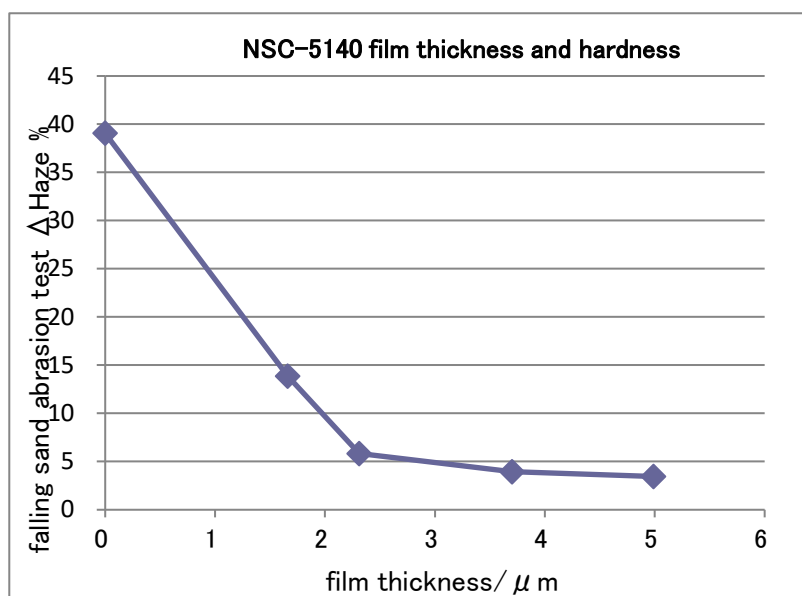
Note: This data is current data and is not guaranteed to remain accurate in the future.

《NSC-5140 physical properties》

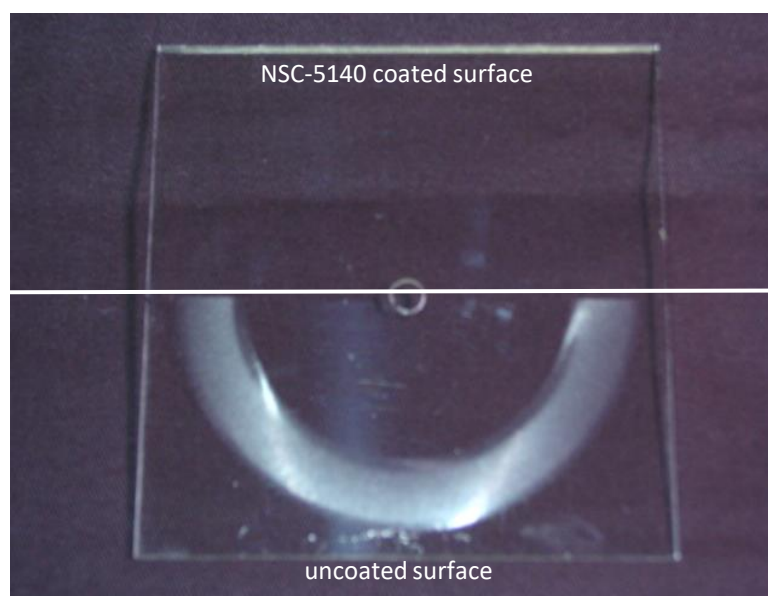
% solid	33%
viscosity	6.0mPa·s
specific gravity	1.04
pH	4.2
appearance	bluish purple colloidal solution

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NSC-5140 technical information

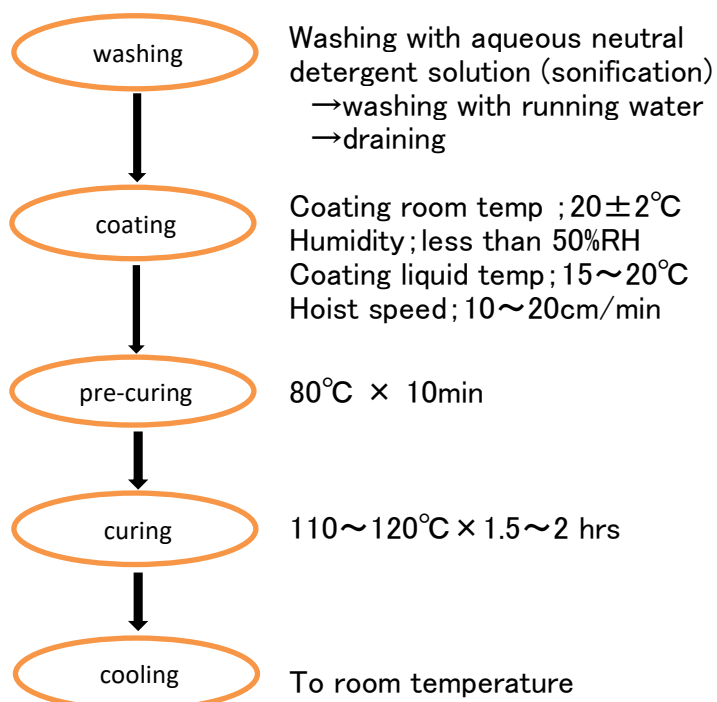


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Taber abrasion test
CS-10F 500g load \times 100 rotations

«recommended coating procedure»



Remove residual detergent, dust and water spot

Clean up the coating room, removing dust in the air
Removing dust in the air
Circulating continuous filtration by using the filter having less than 1 micrometer pore size

Removing dust, appropriate ventilation

Exhaust duct, hot air circulation, uniformly heating

«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-5140 10kg 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.

Note: The information contained in this document is based on reliable experimental facts, but does not guarantee the actual results of the experiment.

contact information