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NSC-5508

《Features》

NSC-5508 is high hardness coatings for Polycarbonate

(1) Excellent anti-scratch property

•••No significant decrease of anti-scratch property during prolonged use

(2) Superior abrasion resistance

••• Δ haze less than 1% (Taber abrasion test: CS-10F 500g load \times 100 rotations)

(3) Good finish without orange peel skin, crack nor chalking

(4) Excellent flexibility

(5) Relatively long shelf life

•••Stable more than 3 months in a refrigerator



《Typical applications》

PC sunglass, PC helmet visor, PC film, PC molding parts

《NSC-5508 cured film properties》

Anti-scratch property (Steel wool #0000, 1kg load \times 100 reciprocations)

no scratch

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

Δ haze < 1%

Pencil hardness (PC substrate, 50gf)

2H

Refractive index of cured film

1.49

Adhesion (cross cut tape stripping test)

100 / 100

Hot water resistance (100 degrees C \times 30 min)

Appearance

no change

Adhesion (cross cut tape stripping)

100 / 100

Solvent resistance

no change

Bayer Ratio

3.8

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

《NSC-5508 physical properties》

% solid

26-27

viscosity (mPa·s)

5.5-6.5

specific gravity

1.03-1.04

pH

3-4

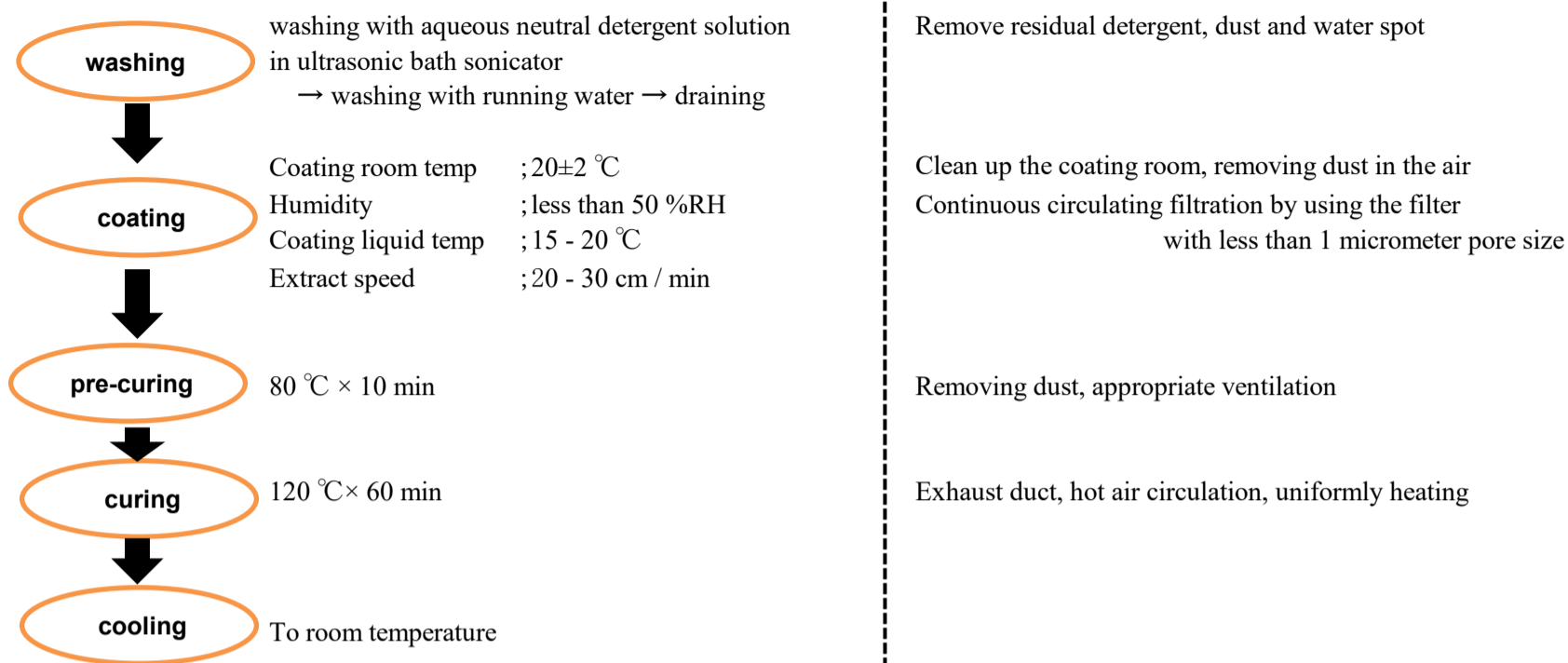
appearance

Pale yellow colloidal solution

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

NSC-5508 technical information

《Recommended coating procedure》



《Applicable thinner》

NSC-TH-36

In the case of loss of low boiling solvents by vaporization. Over dilution may cause undesirable effects.

《Packing》

NSC-5508 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.

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