

NIPPON FINE CHEMICAL CO.,LTD.

日本精化株式会社



HEAD OFFICE

4-9 Bingomachi 2-chome, Chuo-ku, Osaka 541-0041, Japan

Phone +81-6-6231-4781 Fax +81-6-6231-4787

KAKOGAWA LABORATORIES

Kitano, Noguchi-cho, Kakogawa, Hyogo 675-0011, Japan

Phone +81-79-423-1771 Fax +81-79-424-4426

## 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

••• $\Delta$ 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)

$\Delta$ 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

### 《NSC-5508 physical properties》

% solid

26-27

viscosity (mPa·s)

5.5-6.5

specific gravity

1.03-1.04

pH

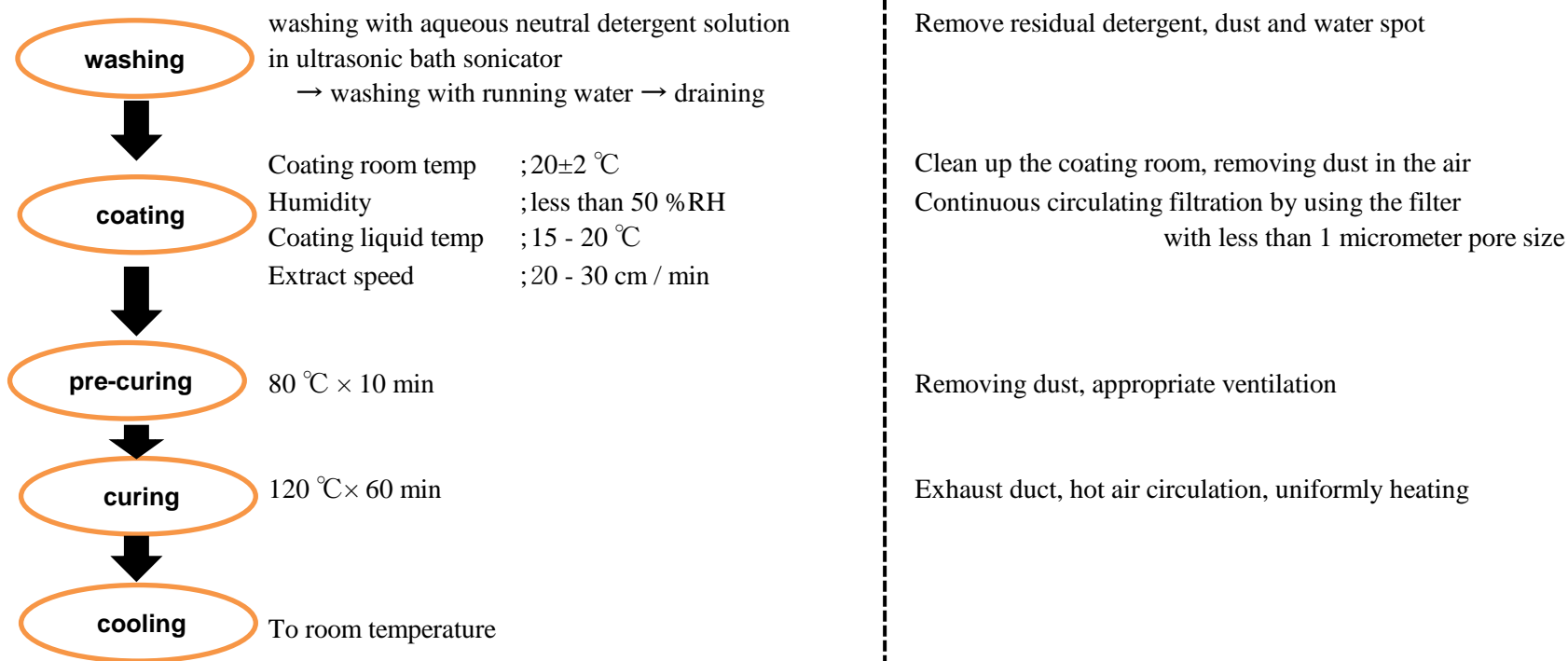
3-4

appearance

Pale yellow colloidal solution

# 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.

contact information