NSC-5222

**Features**
NSC-5222 makes high pencil hardness and anti-scratch resistance firm on substrate. And it has excellent flexibility and hardness.

1. Excellent anti-scratch resistance: No scratch mark (1kg - 1000 times reciprocate)
2. High pencil hardness: 5H on PI film
3. Excellent flexibility: 300,000 times no cracking (2mm mandrel test)

**Application**
Flexible device, PI film and more

**NSC-5222 cured film properties**
- Anti-scratch property: 1kg load ×1000 reciprocation (steel wool #0000) - No scratch mark
- Taber abrasion test (ΔHaze): (CS-10F 500g load ×100 revolutions) - less than 1%
- Hot water resistance: (80 degrees C × 30 min) - No change
- Adhesiveness (cross cut tape stripping) - 100/100
- Appearance: No change

**NSC-5222 physical properties**
- % solid: 35 - 40%
- Viscosity: 5 - 15 mPa·s
- Specific gravity: 1.02 - 1.06
- pH: 4.5 - 5.5
- Appearance: Pale yellow liquid

**Standard procedure**
- Coating: Target film thickness (dry) 10 - 13 µm
- Drying: 80 celsius for 2 minutes
- Curing: 130 - 150 celsius for 20 - 120 seconds

**Applicable thinner**
PGME
in the case of loss of low boiling solvents by vaporization over dilution may cause undesirable effects

**Packing**
- NSC-5222: 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