NSC-7312

**Notable Features**
NSC-7312 is a UV curable hard coating with low curling and high hardness.

**Applicable base material**
PET film, TAC film

**Physical data**
- Non volatile content: 47%
- Viscosity: 20mPa.sec
- Specific gravity: 1.06
- Appearance: transparent pale yellow

**Performance of the coated surface**
- Total light transmittance: 90%<
- Scratch hardness / Pencil method/ISO 15184: 4H
- Adhesiveness / Cross-cut test/ISO 2409: 100/100
- Hot water resistance (80 degrees C x 30min)
  - Appearance: no change
  - Adhesiveness / Cross-cut test/ISO 2409: 100/100
- Solvent resistance: no change
- Refractive index: 1.53
- Curl resistance: < 5mm

**Standard process**
- Coating
  - Coating room temp: 20±2℃
  - Humidity: less than 50%RH
  - Coating liquid temp: 15～20℃
- Pre-dry
  - 80℃ x 2 ～ 10min
- UV curing
  - 250mW/cm²
  - 500mJ/cm²
- Cooling
  - 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

**Thinner**
PGME

**Package**
15kg UN chemi drum

**Storage Condition**
- Tight a seal, store in cool and dark area, warm to room temperature prior to use

**Handling suggestions**
- Keep fire away.
- Use appropriate local ventilation.
- Eye contact: rinse immediately with plenty of water and consult a physician.
- Ingestion/Inhalation: Get medical attention.
- Skin contact: Wash with plenty of water immediately. In the case of inflammation, consult a physician.