

Product description

NewChem-2099 is a blocked aromatic polyisocyanate based on toluene diisocyanate. It has colorless appearance. This resin can be used as the hardener in colorfast and weather-stable, one-component polyurethane stoving coatings. **NewChem-2099** in combination with various hydroxyl bearing polymers gives high quality coatings with great weathering properties, good gloss and good combination of hardness and flexibility.

Specification

Property	Value
Non-volatile matter	75%±1
Acid value on solid resin	max. 1 mg KOH/g
Free NCO content %	< 0.2
Blocked NCO content %	11.1
Viscosity, 23 °C (spindle 4- speed 60 rpm)	9000-12000
Color value (Gardner)	≤1.0
Density	1.08 kg/L
Flash point	45 °C
Amine content	max. 0.1 wt.%

Application and Usage

- **NewChem-2099** is used in formulation of stoving coatings for coil and metal cans industry.
- It is used as a hardener of polyester and acrylic resins with excellent corrosion resistance and superior outdoor durability.
- To accelerate the reaction, organic catalysts can be used: DEAE, DBTL or Zn Octoate.



Solubility:

NewChem-2099 resin is soluble in Xylene, Acetone, Ethyl Acetate, Butyl Glycol, Methoxy Propyl Acetate and Methyl Isobutyl Ketone.

Compatibility:

NewChem-2099 resin as crosslinking agent is compatible with Polyester resins, Polyacrylate resins, Coconut resins, Melamine formaldehyde, H3M and Benzoguanamine.

Benefit

- Good hardness
- Good gloss
- Good flexibility and toughness
- Good weathering properties

Storage

NewChem-2099 resin should be stored indoors in its original, unopened and undamaged container in a dry place at storage temperatures below 30 °C, for up to 12 months. Exposure to direct sunlight and humid should be avoided.

Packaging

20 and 200 barrel and any other packaging can be optimized upon the request of customers.

