

### TCN-620

#### INCI Name

AMODIMETHICONE

#### Description

TCN-620 is a modified dimethicone with amino-group.

It can form a firm film on hair, with excellent conditioning, deposition, antistatic ability and protection particularly to damaged hair. It's recommended to used in hair care products to improve dry & wet combability and impart a glossy, lubricous, soft and elegant feel; also used in hair dyeing products to help fix pigment.

#### Specification

Parameter	Value
Appearance	Colorless clear liquid
Viscosity (25 °C, mPa·s)	1800-2200
Refractive index ( $n_D^{25}$ )	1.404-1.408
Amion group content(%)	0.55-0.65
Density(25 °C, g/cm <sup>3</sup> )	0.97-0.98

These values indicate typical specification, they are not intended to be used as product specifications.

#### Properties

- Excellent conditioning and antistatic performance
- Outstanding dye-fixing
- Impart glossy, soft, silky and puffy feeling to hair
- Improve wet&dry combability
- Repair damaged hair

#### Applications

Hair conditioner  
Hair treatment mask  
Hair color product  
Hair oil

#### Formula Guidelines

Typically used at a level of 0.2~5.0%  
Heat oli phase to 70-80°C, then add TCN-620 into oil phase. Blend oil and water phases and mix by a homogenizer. Avoid long time heating.

#### Storage & Handling

**Standard Packing:**25kg/drum

**Storage:** Keep in Cool, Dry, Ventilated and Lightless Place.

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