



### TC-CARBOMER 351

#### INCI NAME

CARBOMER

#### Description

TC-CARBOMER 351 is a crosslinked acrylic polymer with strong hygroscopicity, acting as high-efficient thickener and suspending agent with outstanding stability and excellent clarity. TC-CARBOMER 351 can be used in products including clear gels, topical lotions and creams. They primarily function as efficient thickeners and binders and provide suspension of non-soluble actives or excipients. Transparent hydroalcoholic and sanitizing gels can be manufactured based on TC-CARBOMER 351 for its good compatibility with ethanol.

#### Specification

Parameter	Value
Appearance	Fluffy, White Powder
Viscosity (mPa.s , 20 rpm at 25°C ,0.5% Neutralized Solution, dry basis)	20000-42000
Clarity(%Transmission, 0.5% Neutralized Solution 420 nm light)	Water solution ≥85 Hydroalcoholic solution ≥85
Residual Ethyl Acetate / Cyclohexane (%)	≤0.45
Residual acrylic acid (%)	≤0.25

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

#### Properties

Efficient thickeners at low usage levels

Suspending agent for non soluble actives or excipients

Improve long term stability of lotion, cream, and gel systems

Compatible with ethanol or other alcohols

#### Applications

Clear hydroalcoholic sanitizing gel; Topical lotions, creams and gels.

#### Formula Guidelines

0.2-1.0%

#### Cautions

Following operations are forbidden, which can reduce the loss of thickening ability:

- Lasting stir or high-shear stir after neutralization
- Lasting UV irradiation
- Combine with electrolytes

#### Storage & Handling

**Standard Packing:** 20kg/box

**Storage:** Keep in cool, dry, ventilated and lightless place.

**Shelf life:** 24 months

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