

### TC-CARBOMER 341

#### INCI NAME

CARBOMER

#### Description

TC-CARBOMER 341 is a crosslinked polyacrylate polymer with strong moisturizing ability, acting as a low-dosage thickener and suspending agent with outstanding long flow property. And it can be used in ionic systems.

#### Specification

Parameter	Value	
Appearance	Fluffy, White Powder	
Viscosity: (mPa.s) (20 rpm at 25°C, Neutralized Solution)	0.2%	1950-7000
	0.5%	4000-11000
Solution Clarity (%Transmission, Neutralized Solution 420 nm light)	0.2% Water Solution	≥85
	0.2% Ethanol Solution	≥70
	0.5% Water Solution	≥85
Residual Acrylic Acid (%)	≤0.25	
Residual Benzene (%)	≤0.50	
Bulk Density (g/100 mL)	19.5-23.5	
Loss on drying(%)	≤2.0	
Heavy Metals	As (ppm)	≤2
	Pb+As+Hg+Sb (ppm)	≤10

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

#### Properties

Outstanding long flow property

High clarity

Resist temperature effect to viscosity

#### Applications

Topical lotions, creams and gels

Clear gels

Moderately ionic systems

#### Formula Guidelines

0.1-1.5%

#### Cautions

Following operations are forbidden, otherwise result in loss of thickening ability:

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

#### Storage & Handling

**Standard Packing:** 20 kg/drum

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

**Shelf life:** 24 months

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