

## TC-CARBOMER 334

### INCI NAME

CARBOMER

### Description

TC-CARBOMER 334 is a crosslinked polyacrylate polymer with strong moisturizing ability, offers short flow properties in aqueous systems. It can enhance yield value and rheology of liquid substances, offers excellent stability at high viscosity and produces thick formulations for opaque gels, emulsions, creams and suspensions.

### Specification

| Parameter   |                   | Value                |
|---|-------------------|----------------------|
| Appearance  |                   | Fluffy, White Powder |
| Viscosity: (mPa.s)<br>(20 rpm at 25°C,<br>Neutralized Solution) | 0.2% aq           | 2050-5450            |
|   | 0.5% aq           | 30500-39400          |
| Residual solvent (%)  |                   | ≤0.50                |
| Residual acrylic acid (%)                                       |                   | ≤0.25                |
| 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

Excellent stability at high viscosity

Outstanding short flow (non-drip) property

Resist temperature effect to viscosity

Ease of dispersion

### Applications

Opaque lotion and cream

Opaque gels

Suspensions

Shampoo

Body wash

### Formula Guidelines

0.2-1.0%

### 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:** 20kg/carton

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

**Shelf life:** 24 months

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