

## TC-CARBOMER 276

### INCI NAME

CARBOMER

### Description

TC- Carbomer 276 is a crosslinked polyacrylate polymer with strong moisturizing ability, acting as high-efficient & low-dosage thickener, stabilizer and suspending agent. It can enhance yield value and rheology of liquid substances, thus it is easy to get insoluble ingredients (granular, oil drop) suspended at low dosage. It is widely used in HI&I applications and those formulations where oxidative stability and cost effectiveness are key requirements.

### Specification

Parameter	Value
Appearance	Fluffy, White Powder
Viscosity (mPa.s, 20 rpm at 25°C, 0.5%, neutralized solution)	45000~80000
Solution Clarity (%Transmission, 420 nm light, 0.5% water solution)	≥80
Loss on drying (%)	≤3.0

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

### Properties

- High-efficient thickening, suspending and stabilizing ability at low dosage, cost-effective
- Excellent stability in oxidizing systems such as those containing chlorine bleach or peroxides.
- Effective across a broad range of pH
- Suspension and stabilization of insoluble materials and particulates.
- Improved vertical cling which minimizes

dripping and increases surface contact times.

- Shear thinning rheology suitable for non aerosol sprayable or pumpable product formulations.

### Applications

Automatic dishwashing liquids  
General sanitizing applications  
Laundry pre-spotters and treatments  
Hard surface cleaners  
Toilet bowl cleaners  
Mold and mildew cleaners  
Oven cleaners  
Gelled fuels  
Alkaline battery

### 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/drum

**Storage:** Keep in cool, Dry, Ventilation and Lightless Place.

**Shelf Life:** 24 months

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