

TC-CARBOMER FD10

INCI NAME

CARBOMER

Description

TC-CARBOMER FD10 is a crosslinked polyacrylate polymer with moisture absorption ability, acting as high-efficient & low-dosage thickener and suspending agent. It has various rheological properties. It is an easy to disperse polymer that offers a wide range of performance properties and can be used in a variety of personal care applications.

Specification

Parameter	Value
Appearance	Fluffy, White Powder
Wetting Time (0.5% Dispersion, 25°C, minutes)	≤8
Viscosity (mPa · s) (20 rpm at 25°C, 0.5% mucilage* at pH7.3-7.8)	45000-65000
Solution Clarity (%Transmission, neutralized solution 420 nm light, 0.5% mucilage* at pH7.3-7.8)	≥88
Residual solvent (%) Ethyl Acetate + Cyclohexane	≤0.45
Residual acrylic acid (%)	≤0.25
Loss on drying (%)	≤2.0
Heavy Metals	Pb+As+Hg+Sb (ppm) ≤10

*A mucilage is defined as an active acidic polymer dispersion in water neutralized with a base, preferably NaOH, to a specified pH.

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

Properties

Rapid wetting and swelling properties

High-efficient thickening, suspending and stabilizing ability at low dosage

High clarity

Superior skin feel

Applications

Hair styling gels

Hand and body lotions, baby lotions

Hand sanitizers

Moisturizing gels

Sunscreen lotions

Formula Guidelines

Typically used at a level of 0.2-1.5%.

Cautions

Following operations should be avoided, otherwise result in loss of viscosity :

Constant stir or high-speed shear after neutralization
UV irradiation

Storage & Handling

Standard Packing: 20kg/box

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

Shelf life: 24 months

GUANGZHOU TINCIMATERIALS TECHNOLOGY CO., LTD.

8th Kangda Road, Yunpu Industrial Zone,
Huangpu District, Guangzhou, China

TEL: 86-20-82251159 FAX: 86-20-82250169

WEBSITE: www.tinci.com

Version: A/0

Last update: 2016-01-03