

TC-CARBOMER FD21

INCI NAME

Acrylates/C10-30 Alkyl Acrylate Crosspolymer

Description

TC-CARBOMER FD21 is a hydrophobically modified crosslinked polyacrylate polymer. It acts as high-efficient & low-dosage thickener and suspending agent as other traditional carbomer resin, also provides electrolyte tolerance and unique sensory benefits in formulas. It can quickly and easily self-wet without any mixing required.

Specification

Parameter	Value
Appearance	Fluffy, White Powder
Loss on drying (%)	≤2.0
Wetting Time(0.5%aq, 25℃, minutes)	≤6
Viscosity (20 rpm at 25℃, Neutralized 0.5% aq Solution,mPa.s)	45000~65000
Solution Clarity (%Transmission, Neutralized Solution 420 nm light, 0.5% aq)	≥92
Residual acrylic acid (%)	≤0.25
Residual Ethyl Acetate+Cyclohexane (%)	≤0.45

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
- Excellent electrolyte tolerance
- Superior skin feel
- Compatibility with all kinds of surfactants

Applications

- ✓ Hair styling gels
- ✓ Hand and body lotions, baby lotions
- ✓ Hand sanitizers
- ✓ Moisturizing gels
- ✓ Sunscreen lotions
- ✓ Bash gels
- ✓ Shampoos

Formula Guidelines

Typically used at a level of 0.2-1.5%.

Cautions

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

- Lasting stir or high-shear stir after neutralization
- Lasting UV irradiation

Storage & Handling

Standard Packing: 20kg/carton

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

Shelf life: 24 months

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