



TC-CARBOMER FD2010

INCI NAME

Acrylates/C10-30 Alkyl Acrylate Crosspolymer

Description

TC-CARBOMER FD2010 is a hydrophobically modified crosslinked acrylate copolymer. 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. Its low dispersion viscosity before neutralization, making it easy to disperse, transport and process. It also can be used in systems with moderate surfactant content, making it an ideal choice for many applications.

Specification

Parameter	Value
Appearance	Fluffy, White Powder
Wetting Time(3%aq, 25°C, minutes)	≤25
Viscosity (20 rpm at 25°C, Neutralized Solution,mPa.s)	1% aq 47000~77000 1% aq+1%NaCl ≥4000
Solution Clarity (%Transmission, Neutralized Solution 420 nm light,1% aq)	≥85
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

Low dispersion viscosity, rapid wetting and swelling time
High-efficient thickening, suspending and stabilizing ability at low dosage
High clarity
Excellent electrolyte tolerance
Compatibility with all kinds of surfactants

Applications

Transparent hydroalcoholic gel
Lotion and cream
Hair styling gel
Shampoo
Body wash

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 stir after neutralization
UV irradiation

Storage & Handling

Standard Packing: 20kg/box

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

Shelf life: 24 months

OQEMA, s.r.o.

Těšínská 222

739 34 Šenov

M +420 731 191 826

petr.hlavacek@oqema.cz

www.oqema.cz