

TC-CARBOMER FD980

INCI NAME

CARBOMER

Description

TC-CARBOMER FD980 is an easy to disperse and self-wetting carbomer that has similar function properties with TC-CARBOMER 380, and it can be used in a variety of personal care applications .

It has below properties :

1. Low dosage ,high –efficient suspending;
2. Self-wetting ,no need to wet for long time or disperse by high speed cutting ;
3. The viscosity of aqueous solution is very low ,it is convenient to use when high dosage .

Specification

Parameter	Value
Appearance	Fluffy ,White Powder
Viscosity (0.5% water solution ,20 rpm at 25°C, Neutralized solution , mPa.s)	40000-60000
Solution Clarity (0.5% water solution , Neutralized solution , 420nm, %)	≥85
Residual Ethyl Acetate/ Cyclohexane (%)	≤0.45
Residual acrylic acid (%)	≤0.25
Loss on drying (%)	≤2.0
Wetting time (0.5%, 25°C,min)	≤12
Heavy Metals (Pb+As+Hg+Sb) (ppm)	≤10

*This values indicate typical specifications ,they do not include to be used as product specifications.

Properties

- High-efficient thickening ,suspending and stabilizing ability at low dosage.
- Good compatibility with surfactant.
- High clarity
- Easy to disperse .

Applications

- Lotion and cream
- Sunscreen cream
- Transparent skin care gel ,hair styling gel, clear hydroalcoholic gel
- Shampoo and body wash

Formula Guidelines

0.2-1.5%

Cautions:

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

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

Storage & Handling

Standard Packing : 20kg/box

Storage: Keep in cool ,dry ventilated and lightless place

Shelf life : 24 months

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