

iGEL U21

INCI Name (US): Acrylates/C10-30 Alkyl Acrylate Crosspolymer

INCI Name (EU): Acrylates/C10-30 Alkyl Acrylate Crosspolymer

CAS #:

**General Information/
Characteristics:**

iGel U21 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.

Benefits / Application:

Benefits:

- 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

Formulations Advices: 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

Regulatory Status: No applicable

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Physic-Chemical Properties:

Appearance	Fluffy, Powder
Color	White
Loss on Drying	≤2.0
Viscosity (20 rpm at 25°C, 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 specification; they are not intended to be used as product specifications*

Additives: Preservatives: No applicable

Shelf Life / Storage Conditions 24 months from manufacturing date.
Keep in cool, dry, ventilated and lightless place.

Packaging: 20kg/carton

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