EXELUS ADVANCE MATERIALS

PRODUCT PORTFOLIO

Personal Care

Advanced polymers for texture, stability and sensorial performance.

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EXELUS ADVANCE MATERIALS

PORTFOLIO OVERVIEW

Polymers for personal care

Cold-process rheology modifiers and emulsifiers

Polymers in cosmetics improve the properties, stability and texture of products. EXELUS offers a focused range of anionic acrylic polymers that emulsify, thicken, stabilize and suspend, designed for easy, energy-saving cold-process manufacturing.

Caregel ET

EMULSIFYING AGENT & VISCOSITY MODIFIER

Low-cost inverse emulsion polymer that emulsifies and stabilizes high-oil formulations without secondary emulsifiers.

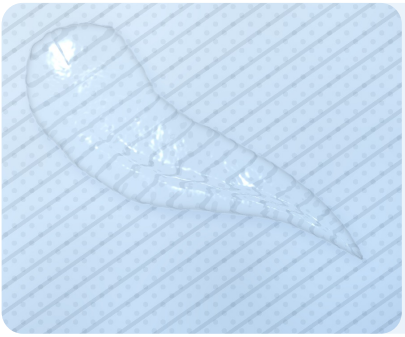
pH 7 - 10 | Dosage 1.5 - 4%

Caregel 350

EMULSIFYING AGENT, THICKENER & STABILIZER

Pre-neutralized liquid emulsifying polymer for elegant cream-gels, emulsions and serums, with no heating or neutralizing.

pH 3 - 12 | Up to 60% oil phase



Carepol 100

THICKENER & SUSPENDING AID

Modified acrylates copolymer giving gels with enhanced clarity at up to 60% lower dosage, stable at high surfactant levels.

Enhanced clarity | Carbomer replacement | Dosage 1 - 4%

COMMON ADVANTAGES

Cold process
All three polymers are designed for cold-process, direct addition

Fewer emulsifiers
Caregel ET and 350 emulsify high-oil phases without secondary emulsifiers

Lower dosage
Carepol 100 gives comparable results at 50 - 70% lesser dosage

Wide pH range
Caregel 350 holds consistent viscosity from pH 3.0 to 12.0

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EMULSIFYING AGENT | VISCOSITY MODIFIER | STABILIZING AID

Caregel ET

Inverse emulsion polymer

Low-cost, high-performance inverse emulsion polymer designed for cold-process formulation. Acts as an emulsifying agent, viscosity modifier and stabilizing aid and works across pH 7 - 10.

INCI Name	Sodium Polyacrylate / Acrylamide & Paraffinum Liquidum & Laureth-7
Appearance	Opaque, milky liquid
Ionic character	Anionic
Method	Cold process / direct addition
Working pH	7 - 10

pH 7 – 10
Working range with a stable viscosity plateau

1.5 – 4%
Recommended dosage

Cold process
Direct addition, no heating required

KEY BENEFITS

Emulsifying agent for high-oil systems

Stabilizes high oil-phase concentrations without adding secondary traditional emulsifiers.

Economically friendly

High performance at low cost; can be used as a replacement for traditional emulsifiers.

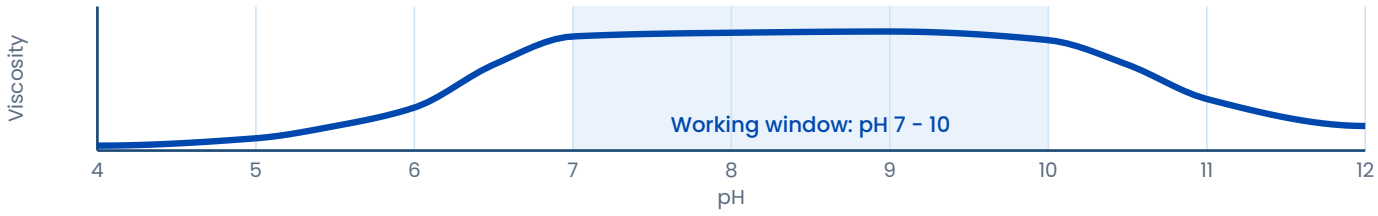
Stable across pH 7 - 10

Delivers a consistent viscosity plateau across its pH 7 - 10 working range.

Viscosity and dosage

Recommended dosage is 1.5 - 4%.

VISCOSITY VS. pH (ILLUSTRATIVE PROFILE)



Need a sample or the full datasheet?
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EMULSIFYING AGENT | THICKENER | STABILIZER

Caregel 350

Pre-neutralized liquid polymer

A pre-neutralized, liquid polymer designed for cold-process formulation. Acts as an emulsifying agent, thickener, stabilizer and texture enhancer, letting formulators create elegant cream-gels, emulsions and serums effortlessly without heating or neutralizing.

INCI Name	Polyacrylamide & C13-14 Isoparaffin & Laureth-7
Appearance	Opaque, milky liquid
Ionic character	Anionic
Method	Cold process / direct addition
Working pH	3.0 - 12.0

Up to 60%
Oil phase emulsified, no secondary emulsifier

pH 3 - 12
Consistent viscosity across a broad range

No heat
Swells instantly in water at room temperature

KEY BENEFITS

Ready to use
Pre-neutralized liquid polymer; swells instantly in water at room temperature.

High oil emulsifying
Emulsifies and stabilizes up to 60% oil phases without adding secondary traditional emulsifiers.

Wide pH stability
Maintains consistent viscosity across a broad pH range (3.0 - 12.0).

Sensory excellence
Fresh, non-sticky, velvet skin feel with rapid absorption and smooth pick-up.

Process efficiency
Eliminates heating steps, reducing energy consumption and processing time.

Suited for
Ultra-lux creams & masks, daily hydrators & creams, serums & active gels, hair styling gels & serums.

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THICKENER | SUSPENDING AID

Carepol 100

Modified acrylates copolymer

Modified acrylates copolymer designed for improved performance. Useful as a thickener and suspending aid. Produces gels with excellent clarity and is compatible with products containing high surfactant concentrations. A replacement for carbomer with a superior rheology modification profile.

INCI Name	Acrylates Copolymer
Appearance	White blueish emulsion
Ionic character	Anionic
Method	Cold process / direct addition
Dosage	1 - 4%

Up to 60%
Lower dosage for the same gel viscosity

70%
Shorter production time, no dispersing

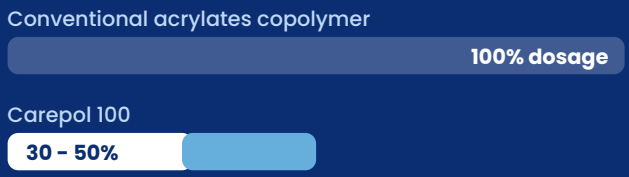
1 - 4%
Recommended dosage

Clarity
Enhanced gel clarity

HIGHLIGHT | IMPROVED ECONOMICS

50 - 70%

lesser dosage than conventional acrylates copolymer for comparable results



Gels reach target viscosity at up to 60% reduced dosage.

KEY BENEFITS

Easy to use
No dispersing needed, cutting production time by 70%. Easy to incorporate at any step of production.

Stable at high surfactant levels
Compatible with high surfactant concentrations and enhances the pearlescent appearance of the formulation.

Enhanced clarity
Produces gels with enhanced, excellent clarity, with thickening and suspending performance in one polymer.

Carbomer replacement
A replacement for carbomer, thanks to its superior rheology modification profile.

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SELECTION GUIDE

Find your fit

Compare the range at a glance

PRODUCT COMPARISON

Product	INCI	Ionic	Process	Key strength	Dosage
Caregel ET	Sodium polyacrylate / acrylamide & Paraffinum liquidum & Laureth-7	Anionic	Cold, direct addition	Emulsifying agent and low-cost stabilizer for high-oil systems, pH 7 - 10	1.5 - 4%
Caregel 350	Polyacrylamide & C13-14 isoparaffin & Laureth-7	Anionic	Cold, direct addition	Emulsifies up to 60% oil, pH 3 - 12, velvet skin feel	On request
Carepol 100	Acrylates copolymer	Anionic	Cold, direct addition	Enhanced clarity; carbomer replacement with a superior rheology profile	1 - 4%

WHICH ONE SHOULD I CHOOSE?

Cold-process emulsions with a high oil load	Caregel 350 (emulsifies up to 60% oil) or Caregel ET (high-oil formulations).
Replacing traditional emulsifiers at lower cost	Caregel ET: high performance at low cost.
Clear gels and surfactant-rich or pearlescent systems	Carepol 100: clarity, high-surfactant stability and up to 60% lower dosage.
Replacing carbomer in gels	Carepol 100: a replacement for carbomer with a superior rheology modification profile.
Creams, serums and hair styling gels with a velvet feel	Caregel 350: fresh, non-sticky skin feel with rapid absorption.

Let's formulate together

Talk to us about samples, datasheets and formulation support.

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