



CARBOMER 940

INCI Carbomer
CAS 9003-01-04

SPECIFICATIONS

Appearance Fine white powder

Viscosity 40.000-60.000
(0,5% Water solution at 25°C – mPa.s)

Clarity 90
(% transmission, 0,5% dispersion neutralized)

GENERAL INFORMATION

Carbomers were born in 1958 and belong today to the most widely used ingredients in personal care. Those polymers of acrylic acid have high molecular weight. Their main function in personal care is to thicken water phase but also alcoholic gels.

They offer the possibility to build transparent gels. Due to their strong suspending properties, they are used for stabilizing emulsion or suspend solid particles like peeling beads.

The pleasant skin feel differentiate them from common natural polymer like xanthan gum or further polysaccharides.

Upon evaluation of the currently available scientific data, the CIR (Cosmetic Ingredient Review) expert panel concluded in their 1990 review that carbomer polymers were safe as ingredient in cosmetics and personal care products.

FORMULATIONS & RECOMMENDATIONS

The Carbomer polymers can be used at various pH levels. They must be neutralized in order to enfold their thickening properties.

Their suspensive properties allow Carbomers to stabilize solid particles within a liquid product (e.g. peeling beads in a shower gel). This suspensive power can also be used to counter the coalescence of emulsions and thus increase their stability.

But the primary use of these polymers remains to build gels that have a pleasant skin-feel.

Carbomer 940 is particularly appreciated for its transparency, short flow characteristics and high shear tolerance compared to other polymers from this family.

Recommended use concentration

0.5-1.5% leave-on products

0.5-3% rinse-off products

up to 50% make-up applications

BENEFITS

- Easy to use
- Build aqueous and/or alcoholic gels
- High suspending properties
- Safe for cosmetic applications

APPLICATIONS

Cosmetics

- Skin care
- Toiletries
- Make up
- Alcoholic gels
- Scrubs

SHELF LIFE

24 months under proper storage conditions



CARBOMER 980

INCI Carbomer
CAS 9003-01-04

SPECIFICATIONS

Appearance Fine white powder

Viscosity 40.000-60.000
(0,5% Water solution at 25°C – mPa.s)

Clarity 93
(% transmission, 0,5% dispersion neutralized)

GENERAL INFORMATION

Carbomers were born in 1958 and belong today to the most widely used ingredients in personal care. Those polymers of acrylic acid have high molecular weight. Their main function in personal care is to thicken water phase but also alcoholic gels.

They offer the possibility to build transparent gels. Due to their strong suspending properties, they are used for stabilizing emulsion or suspend solid particles like peeling beads.

The pleasant skin feel differentiate them from common natural polymer like xanthan gum or further polysaccharides.

Upon evaluation of the currently available scientific data, the CIR (Cosmetic Ingredient Review) expert panel concluded in their 1990 review that carbomer polymers were safe as ingredient in cosmetics and personal care products.

FORMULATIONS & RECOMMENDATIONS

The Carbomer polymers can be used at various pH levels. They must be neutralized in order to unfold their thickening properties.

Their suspensive properties allow Carbomers to stabilize solid particles within a liquid product (e.g. peeling beads in a shower gel). This suspensive power can also be used to counter the coalescence of emulsions and thus increase their stability.

But the primary use of these polymers remains to build gels that have a pleasant skin-feel.

Carbomer 980 is particularly appreciated for short flow characteristics and high shear tolerance compared to other polymers from this family.

Recommended use concentration

0.5-1.5% leave-on products

0.5-3% rinse-off products

up to 50% make-up applications

BENEFITS

- Easy to use
- Build aqueous and/or alcoholic gels
- High suspending properties
- Safe for cosmetic applications

APPLICATIONS

Cosmetics

- Skin care
- Toiletries
- Make up
- Alcoholic gels
- Scrubs

SHELF LIFE

24 months under proper storage conditions



ULTRA 10

INCI **Carbomer**
CAS **9003-01-04**

SPECIFICATIONS

Appearance Fine white powder

Viscosity 40.000-60.000
(0,5% Water solution at 25°C – mPa.s)

Clarity 87
(% transmission, 0,5% dispersion neutralized)

GENERAL INFORMATION

Carbomers were born in 1958 and belong today to the most widely used ingredients in personal care. Those polymers of acrylic acid have high molecular weight. Their main function in personal care is to thicken water phase but also alcoholic gels.

They offer the possibility to build transparent gels. Due to their strong suspending properties, they are used for stabilizing emulsion or suspend solid particles like peeling beads.

The pleasant skin feel differentiate them from common natural polymer like xanthan gum or further polysaccharides.

Upon evaluation of the currently available scientific data, the CIR (Cosmetic Ingredient Review) expert panel concluded in their 1990 review that carbomer polymers were safe as ingredient in cosmetics and personal care products.

FORMULATIONS & RECOMMENDATIONS

The Carbomer polymers can be used at various pH levels. They must be neutralized in order to enfold their thickening properties.

Their suspensive properties allow Carbomers to stabilize solid particles within a liquid product (e.g. peeling beads in a shower gel). This suspensive power can also be used to counter the coalescence of emulsions and thus increase their stability.

But the primary use of these polymers remains to build gels that have a pleasant skin-feel.

Ultra 10 is particularly appreciated for its ease in use. It is a universal polymer that might be used for cost-effective thickening, emulsion stability and suspending particles.

Recommended use concentration

0.5-1.5% leave-on products

0.5-3% rinse-off products

up to 50% make up applications

BENEFITS

- Easy to use
- Build aqueous and/or alcoholic gels
- High suspending properties
- Safe for cosmetic applications

APPLICATIONS

Cosmetics

- Skin care
- Toiletries
- Make up
- Alcoholic gels
- Scrubs

SHELF LIFE

24 months under proper storage conditions



ULTRA 20

INCI Acrylates / C10-30
alkyl acrylate crosspolymer
CAS NA

SPECIFICATIONS

Appearance Fine white powder

Viscosity 40.000-60.000
(0,5% Water solution at 25°C – mPa.s)

Clarity 87
(% transmission, 0,5% dispersion neutralized)

GENERAL INFORMATION

Carbomers were born in 1958 and belong today to the most widely used ingredients in personal care. Those polymers of acrylic acid have high molecular weight. Their main function in personal care is to thicken water phase but also alcoholic gels.

They offer the possibility to build transparent gels. Due to their strong suspending properties, they are used for stabilizing emulsion or suspend solid particles like peeling beads.

The pleasant skin feel differentiate them from common natural polymer like xanthan gum or further polysaccharides.

Upon evaluation of the currently available scientific data, the CIR (Cosmetic Ingredient Review) expert panel concluded in their 1990 review that carbomer polymers were safe as ingredient in cosmetics and personal care products.

FORMULATIONS & RECOMMENDATIONS

The Carbomer polymers can be used at various pH levels. They must be neutralized in order to enfold their thickening properties.

Their suspensive properties allow Carbomers to stabilize solid particles within a liquid product (e.g. peeling beads in a shower gel). This suspensive power can also be used to counter the coalescence of emulsions and thus increase their stability.

But the primary use of these polymers remains to build gels that have a pleasant skin-feel.

Ultra 20 is particularly appreciated for the possibility to stabilize electrolyte-containing formulation, and surfactant-containing ones.

Recommended use concentration

0.5-1.5% leave-on products

0.5-3% rinse-off products

up to 50% make up applications

BENEFITS

- Easy to use
- Build aqueous and/or alcoholic gels
- High suspending properties
- Safe for cosmetic applications

APPLICATIONS

Cosmetics

- Skin care
- Toiletries
- Make up
- Alcoholic gels
- Scrubs

SHELF LIFE

24 months under proper storage conditions