

Carbopol® Ultrez 20 polymer Cod. 59700130

The superior self-wetting rheology modifier with best-in-class electrolyte tolerance and clarity

INCI Name: Acrylates/C10-30 Alkyl Acrylate Crosspolymer

Carbopol® Ultrez 20 polymer is a white powder, hydrophobically-modified cross-linked acrylate copolymer. This polymer offers many substantial benefits for formulators and marketers of personal care products. Carbopol Ultrez 20 polymer is exceptionally easy to use as it self-wets and disperses within minutes. This rheology modifier and stabilizer also provides electrolyte tolerance and unique sensory benefits in formulations. It can be used in systems with moderate surfactant content, making it an ideal choice for shampoos, body washes, gels, lotions, and creams.

APPLICATIONS

- Body Washes (Bath & Shower)
- Facial Cleansers (Bath & Shower)
- Hand Soap (Bath & Shower)
- Intimate Cleansers (Bath & Shower)
- Mild Cleansers (Bath & Shower)
- Conditioners (Hair Care)
- Hair Coloring (Hair Care)
- Shampoo (Hair Care)
- Styling Products (Hair Care)
- After Shave (Skin Care)
- Anti-aging Products (Skin Care)
- Antiperspirant/Deodorant (Skin Care)
- Body Lotions/Creams/Gels (Skin Care)
- Eye Area Skin Care Products (Skin Care)
- Facial Care Products (Skin Care)
- Hand Sanitizer (Skin Care)
- Hand/Foot Care (Skin Care)
- Insect Repellant (Skin Care)
- Sun Care (Skin Care)
- Wipes (Skin Care)

FEATURES AND BENEFITS

- Demonstrates great stability with surfactant active levels of 10 wt%
- Effective across a broad pH range, allowing formulation flexibility
- Excellent electrolyte tolerance makes it well suited for formulations containing higher levels of botanical ingredients or humectants such as Sodium PCA
- Provides a rich creamy skin feel during the rubout phase after applying oil-in-water based creams and lotions
- Provides exceptional clarity in various systems including hydroalcoholic gel formulations
- Rapid wetting and improved swelling time without need for agitation, reducing processing time and costs
- Suspends and stabilizes beads, microcapsules and exfoliants while maintaining product stability

Lubrizol Advanced Materials, Inc. / 9911 Brecksville Road, Cleveland, Ohio 44141-3247 / TEL: 800.379.5389 or 216.447.5000

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For further information, please visit: www.lubrizol.com/personal-care

THIRD PARTY CERTIFIED

- China compliant
- Halal

PHYSICAL DESCRIPTION AND USE

- | | |
|----------------------------------|-------------------------------|
| • Color/Appearance: White | • Odor: Slight Acrylic |
| • Form: Powder | |

SPECIFICATIONS

Product Specification	UOM	Minimum	Maximum	Test Frequency	Test Procedure
ETHYL ACETATE	%		0.45	Each Lot	SA-009
LOSS ON DRYING	%		2	Test One in Ten	SA-004
BROOKFIELD VIS, 1.0% MUCILAGE @ 25 C	cP	47000	67000	Each Lot	SA-051
BROOKFIELD VIS, 1.0% W/1.0% SALT @ 25 C	cP	4000		Each Lot	SA-016
BROOKFIELD VIS, 3.0% DISPERSION @ 25 C	cP	3500		Each Lot	ANLAB.075
CLARITY, % TRANSMITTANCE	%	90		Each Lot	485-D
CYCLOHEXANE	%		0.45	Each Lot	SA-009
TOTAL RESIDUAL SOLVENT	%		0.45	Each Lot	SA-009
WETTING TIME (MINUTES)	min		10	Each Lot	ANLAB.076
HM AS (PB,AS,HG,SB) 10 PPM MAX		Pass		Each Lot	SA-012

Lubrizol test procedures may be found online at: www.lubrizol.com/Personal-Care/Literature.

A myLubrizol account is required for access.

MANUFACTURING LOCATION(S), STORAGE AND HANDLING

Manufactured in the following location(s):

- Calvert City, Kentucky (USA)
- Kallo, Oost-Vlaanderen (Belgium)

Packaging:

Note that slight difference in volume and weight may occur between geographic regions based on packaging availability.

Recommended Retest Period

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Recommended retest period is 730 days from the date of manufacture.

Storage and Handling

Store in a dry, well-ventilated place. Keep containers closed when not in use. Consult the Safety Data Sheet (SDS) for additional pertinent information.

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REGULATORY STATUS

Carbopol® Ultrez 20 polymer is widely registered on chemical inventories across the globe. For specific status, please consult the most recent Safety Data Sheet or contact your local Lubrizol representative.

TOXICOLOGY/MICROBIOLOGICAL STUDIES

For information regarding toxicology and microbial data, please consult the SDS, contact your local Lubrizol representative or view at www.lubrizol.com

TSE/GMO CERTIFICATE

For a copy of this product's TSE/GMO Certification, please contact your local Lubrizol representative or request a copy through www.lubrizol.com

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