



CARBOTAL AD65

Technical Data Sheet

CAS No: 9004- 32-4

Grade: Carboxymethyl Cellulose (CARBOTAL AD65)

Molecular Formula: $[C_6H_7O_2(OH)_2OCH_2COONa]_n$

Product Description

CARBOTAL AD65 is a technical-grade, low-viscosity Carboxymethyl Cellulose (CMC) designed for use in the paper and adhesives industry. It offers reliable performance in producing adhesive materials for bonding all types of kraft paper.

Applications

CARBOTAL AD65 is widely used in the manufacture of paper adhesives, providing excellent sticking properties for kraft paper and related substrates. Its low viscosity ensures easy processing and smooth application, making it suitable for high-speed industrial operations in paper converting and packaging.

Advantages

CARBOTAL AD65 delivers strong adhesion with consistent quality, ensuring durable bonds across different grades of kraft paper. Its formulation versatility supports cost-effective adhesive production, while its ease of use enhances operational efficiency and performance in paper and packaging applications.

Specifications

Standard	CARBOTAL AD65
Test Method	API 13A & ASTM
Appearance	Free-flowing white to creamish powder
Solubility in water	Completely soluble
Starch presence	Absent
Moisture Content (max. %)	10%
Brookfield Viscosity at 25°C (1% soln.)	Min. 10 cps
Brookfield Viscosity at 25°C (2% soln.)	Min. 100 cps
pH (1% soln. in deionized water)	8 – 12
Active Matter (Purity, min. %)	≥ 60%
Degree of Substitution (min.)	≥ 0.7
NaCl content, (max. %)	25%
Bulk Density (kg/m ³ , min.)	≥500
Temperature Stability (°C)	≥150°C
Specific Gravity (g/cm ³ at 20°C)	1.5 - 1.6

Usage and Dosage

Recommended dosage: 0.1% to 0.5% (calculated on a dry basis), or as per customer formulation procedures.

Packing and Storage

CARBOTAL AD65 is packaged in 25 kg or 50 lb. kraft paper bags, or as per customer requirements. Store in a dry, well-ventilated area with containers tightly closed. Keep away from heat, sparks, open flames, and incompatible materials. Follow standard warehouse practices for palletizing, banding, shrink-wrapping, and stacking.

Recommended Handling

All personnel handling this material must treat it as an industrial chemical, wearing appropriate protective equipment and observing the precautions described in the Safety Data Sheet (SDS).

The above information is best to our knowledge and provided for manufacturing purposes. Al Battal Factory for Chemical Industries Company makes no warranty or guarantee concerning the handling, use or application of such product whether alone or in combination with other products in case unexpected events occur. Users are advised to make their own tests to determine the suitability and performance of the product.