شركة مصنع البتال للصناعات الكيميائية
AL BATTAL FACTORY FOR CHEMICAL INDUSTRIES COMPANY

PRODUCT INFORMATION

CARBOTAL AD400

Technical Data Sheet

CAS No: 9004-32-4

Grade: Sodium Carboxymethyl Cellulose (CARBOTAL AD400)

Molecular Formula: [C6H7O2(OH)2OCH2COONa]n

Product Description

CARBOTAL AD400 is a high-purity, medium-viscosity Sodium Carboxymethyl Cellulose (CMC) developed for coated and tissue paper systems requiring balanced rheology and improved binding performance. It is designed to deliver stable viscosity behavior in coating and sizing applications.

Applications

CARBOTAL AD400 is used in coating kitchens, wet-end systems, and surface sizing applications where controlled viscosity and film formation are required. It enhances coating stability and surface strength. The grade performs effectively across a wide range of coating formulations.

Advantages

CARBOTAL AD400 provides stable viscosity behavior and reliable film-forming performance. Its high active content supports consistent coating quality and dependable processing under normal production conditions. It contributes to uniform sheet formation and improved surface smoothness.

Specifications

Standard	CARBOTAL AD400
Test Method	ASTM
Appearance	Free-flowing white to creamish powder
Solubility in water	Completely soluble
Starch presence	Absent
Moisture Content (max. %)	10%
Brookfield Viscosity (2% solution, 25°C)	150 – 400 cps
pH (1% soln. in deionized water)	6.5 – 8.5
Active Matter (Purity, min. %)	≥ 98 %
Degree of Substitution (min.)	≥ 0.7
NaCl content, (max. %)	≤ 2.0 %
Bulk Density (kg/m^3, min.)	≥ 500 kg/m³
Temperature Stability (°C)	≥ 150 °C
Specific Gravity (g/cm^3 at 20°C)	1.5 - 1.6

Usage and Dosage

Recommended dosage is 0.2% to 0.5% calculated on a dry pulp basis, or as per customer process and formulation requirements.

Packing and Storage

CARBOTAL AD400 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).