



Industrial Specialties

METHOCEL™ and WALOCEL™ M for Industrial Applications

A broad portfolio providing customers with a variety of choices to meet their application needs



METHOCEL™ AND WALOCEL™ M represent a broad range of cellulose ether formulations including methylcellulose, hydroxypropyl methylcellulose and hydroxyethyl methylcellulose.

Under the brand names METHOCEL™ and WALOCEL™ M, Dow offers a broad range of cellulose ethers for numerous industrial applications. In general, they can be characterized by type and degree of substitution, molecular weight, powder properties and special properties (e.g. delayed solubility).

These water-soluble, non-ionic and non-toxic cellulose ethers offer excellent performance attributes with safe and easy handling.

Formulators who want the best performance choose METHOCEL™ and WALOCEL™ M for their unique performance attributes and easy-to-use composition.

Performance Attributes:

Thermal Gelation

- Contributes to cohesion, high green strength and eliminates binder migration in ceramic and powder metallurgy

Water Soluble

- Eliminates problems associated with handling and containment of organic solvents

Surface Active

- Methyl cellulose effectively reduce the surface tension of aqueous solutions and improve particle wetting

Non-ionic

- No interaction with dispersants, emulsifiers or other processing aids

Water Retention Efficiency

- Excellent water retention contributing to more stable slips and slurries and improved plasticity in mixes

Clean and Predictable Burnout

- Degradation with first order kinetics at temperatures above 225°C

Lubricity

- Reduces interparticle friction and reduces erosion of the metal components of extruders and dies

Non-Toxic

- Carbohydrate structure presents minimum health hazards

For more information contact us:

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Product Stewardship

Dow has a fundamental concern for all who make, distribute and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

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