

HYDROXYPROPYL METHYL CELLULOSE (HPMC)

Application / Advantages

Usage of PMK-40Z is very multi-purpose.

PMK-40Z is low degree of substitution and etherification, was developed for gypsum based and cement based application, like render, normal gypsum plaster, tape joint compound for gypsum based, cement mortar, cement plaster, lime cement plaster and underwater concrete for cement based.

Specifications

Form	Powder	
Solubility	Water soluble	
Viscosity ¹	36,000~44,000 MPa·s	Brookfield RV
pH	6.0~8.0 (2% solution)	
Moisture content	Max. 8%	ASTM D1347-72
Particle size	<149µm: min. 95%	

Note:

1. The viscosities and other values shown are typical values for your guidance. They are not to be taken as specification and are subject to certain variability. Please consult the sales specification for details.
2. 2% solution in water, Haake Rotovisko RV 100, shear rate 2.55/s, 20°

Health

MEILOSE products have had extensive evaluation in both acute and long-term studies in a number of species, including humans. Their many years of use attest to their safety in a wide variety of applications. While the dust may cause mechanical irritation to the skin and eyes under extreme conditions, the products are considered to present no significant health hazard under normal handling conditions.

Flammability

Cellulose ether products are organic polymers that will burn when exposed to heat and a sufficient oxygen supply. Fires can be extinguished by conventional means avoiding any raising of dust by strong water jets.

Huiguang recommends the use of water spray, carbon dioxide, or powder extinguishers. MEILOSE starts to decompose at about 200°C. Its ignition temperature is >360°C. MEILOSE burns easily and the fire may spread. Additionally, MEILOSE products, like other organic chemicals, should not be stored next to peroxides or other oxidizing agents.

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Packaging and Storage

MEILOSE PMK-40Z is packed in multiply paper bags with an inner polyethylene bag. Net weight 20KG (approx 44 lbs) or 25KG (approx 55 lbs). We recommend emptying the bags from the bottom. The empty bags can be recycled or burned. In unopened bags, MEILOSE PMK-40Z can be stored for several years. In opened bags, the moisture content of MEILOSE PMK-40Z will be influenced by the air humidity.

When stored in closed containers, or in its original packaging in a dry place at room temperature, MEILOSE can be kept for a long time. In the case of high viscosity grades, a slow loss of viscosity can be measured after lengthy storage (>1 year). MEILOSE absorbs water from moist air. Once opened, container must be resealed and kept tightly closed.