

Calcium-Sodium PVM-MA Copolymer

Functional methyl vinyl ether/maleic acid copolymer salt for adhesive, binding and film-forming formulations.

CAS No. 62386-95-2	EC / List No. 613-024-7	Transport Non-dangerous goods
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Product Information

Calcium-sodium PVM-MA copolymer is the calcium/sodium mixed salt of a methyl vinyl ether and maleic acid copolymer. Its polymeric structure provides binding and film-forming functionality; a single small-molecule molecular weight does not describe this material.

Specifications

Parameter	Specification
Appearance at 25°C	White/off-white powder
Total water	6–15 %
pH — 1 g / 1,000 mL DI water	5.5–7.0
Calcium, anhydrous basis	11–15 %
Tap density	≥0.5 g/cc
Through 60 mesh	≥99.0 %
On 140 mesh	≤2.0 %
On 200 mesh	≤8.0 %
Through 200 mesh	≥85.0 %
Through 400 mesh	≤75.0 %
Benzene — source control value	2 ppm
Toluene — source control value	890 ppm
Ethyl acetate — source control value	5,000 ppm
Total aerobic plate count	<500 CFU/g
Mould / yeast	<200 CFU/g
Staphylococcus aureus	Negative
Salmonella	Negative
Pseudomonas aeruginosa	Negative
E. coli	Negative

Supply values are transcribed from the local TDS. Residual-solvent control values have no inequality specified in that source. The pH dilution basis is 1 g / 1,000 mL; microbial negative results do not imply sterility.

Typical Properties

Property	Typical Value
Molecular formula	Polymeric material
Molecular weight	Variable polymer molecular weight

Applications

Adhesive formulation development: Mixed-salt polymer for adhesion and cohesive binding in denture-adhesive formulation development. Select a grade qualified for the intended end use and evaluate hydration, hold and compatibility in the complete formulation.

Agricultural film-forming systems: Functional polymer for binding and film formation in crop-protection formulation development. Check compatibility with actives, dispersion behaviour and the applicable formulation requirements.

Industrial binders and coatings: Binder and film-forming additive for industrial adhesive and coating development. Evaluate particle-size distribution, water response, viscosity and substrate performance before setting a dosage.

Packaging / Storage

Item	Information
Packing	25 kg cardboard drums
Storage	Store tightly sealed in a cool, dry, ventilated place. Protect from moisture and strong oxidizing agents. Keep the original lining and closure intact.
Handling	Control airborne powder with local extraction. Wear gloves, protective clothing and safety glasses; avoid dust inhalation and contact with eyes or skin. Wash thoroughly after handling.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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