



Technical Data Sheet

PARALOID™ KM-1 Impact Modifier PARALOID™ KM-1L Impact Modifier

Description

PARALOID™ KM-1 and PARALOID™ KM-1L are acrylic polymers with a core-shell structure used as Impact Modifiers in PVC formulations for outdoor applications. PARALOID™ KM-1 and PARALOID™ KM-1L Impact Modifiers are suitable for the use in PVC applications where a good balance of impact strength and gloss, as well as excellent weatherability, is required.

Applications

PARALOID™ KM-1 and PARALOID™ KM-1L Impact Modifiers are recommended for being used in PVC formulations for a wide range of applications such as:

- Extrusion of profiles, siding and pipes
- Injection-molding of fittings
- Calendering or extrusion of opaque films and sheets

Regional Product availability

- Europe Middle East Africa India

Typical properties

PARALOID™ KM-1 and PARALOID™ KM-1L Impact Modifiers are free-flowing powders.

	PARALOID™ KM-1	PARALOID™ KM-1L
Physical appearance	White powder	White powder
Bulk density aerated (g/cm3)	0.3-0.5	0.3-0.5
Volatiles (% max)	1.5	1.5
Powder flowability (funnel diameter, mm)	20	20
Fines level, through 45 micron (%)	25	25

Key attributes

- Good impact strength
- Good gloss
- Excellent weatherability

Product Packaging

The standard package is either a unitized pallet of 20-25 kg bags or 500-900 kg super sacks/big bags/FIBC bags.

Please consult a Dow representative for specific package availability for this product.

Quality management system

The Dow Chemical Company (Dow) and its subsidiaries have implemented a comprehensive quality management system pursuant to Good Manufacturing Practices (GMP) and various quality management standards including ISO 9001. An overview of **The Dow Quality Management System Manual** can be obtained at the following Internet web site – <http://www.dow.com/en-us/about-dow/our-company/beliefs-and-culture/quality-culture>. As part of that system, the Dow Plastics Additives business maintain ISO 9001 registration for most of our manufacturing plants. A copy of these certificates available upon request.



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Storage and handling precautions

Store unopened in original packaging at ambient temperature. If material is opened, it should not be left exposed and should be used within one month. When stored correctly in the original packaging, the shelf life is 3 years from date of manufacture.

Before using this product, consult the Safety Data Sheet (SDS) for details on product hazards, recommended handling precautions and product storage. Contact Dow for copies of the SDS and for more information on this product. Information contained in a TDS document cannot substitute a SDS.

Disposal considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

Medical Applications Restrictions

Dow prohibits sale into certain medical applications. Please check with Dow if you believe your application could be in violation of this policy

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. The customer is solely responsible for determining the suitability of the Dow product for the uses contemplated by customer. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow and available online at www.dow.com.

Regulatory Information

If your application includes a sensitive application such as food contact or drinking water requirements or if you need other regulatory information, please contact your local Dow representative.

Contact information:

If you should have any questions regarding this notice, please contact your local Dow Representative or www.dow.com/contact

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