



Technical Data Sheet

PARALOID™ KM-355P Impact Modifier

Description

PARALOID™ KM-355P Impact Modifier is a core-shell acrylic impact modifier for rigid PVC used in outdoor applications such as window frames, panels, siding, fences, pipes, fittings and injection-molded parts.

PARALOID™ KM-355P Impact Modifier is based upon proven weatherable impact modifier technology from Dow (or Dow Inc.).

PARALOID™ KM-355P Impact Modifier is manufactured in the Dow Singapore Plant to support the demand in the Asia-Pacific region.

Applications

- Profiles
- Pipe and fitting
- Other opaque PVC articles

Regional Product availability

- Asia Pacific

Typical properties

PARALOID™ KM-355P Impact Modifier is a free-flowing powder.

	PARALOID™ KM-355P
Physical appearance	White Powder
Bulk density aerated (g/cm ³)	0.50±0.10
Volatiles (% max)	1
Fines level, on 850 micron (% max)	0.50
Fines level, through 45 micron (% max)	7.0
Izod Impact Strength (KJ/m ² min.)	80

Key attributes

- Excellent impact strength
- Proven weatherability
- High fusion promotion efficiency
- Low post-extrusion shrinkage or reversion

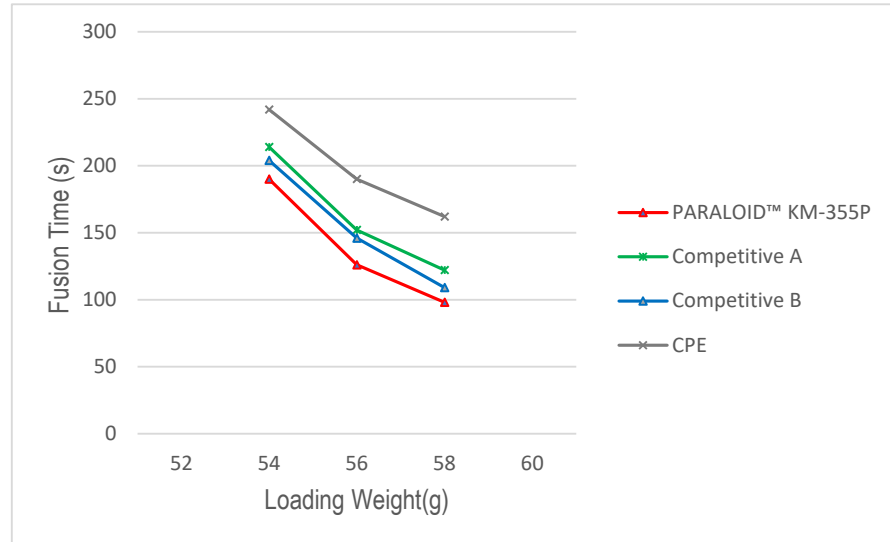


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Rheology and processing

PARALOID™ KM-355P Impact Modifier exhibits faster fusion characteristics than is seen with competitors.

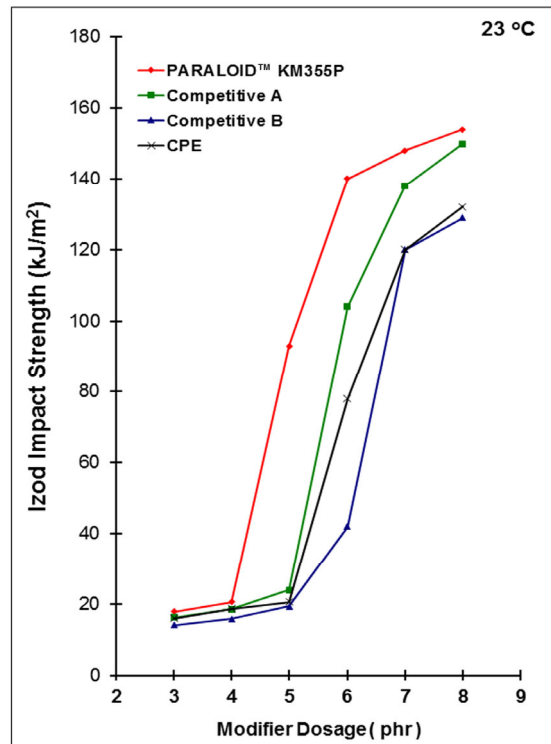
This allows economic benefits by the reduction of the dosage level of processing aid and internal lubricants in the formulation.



Impact Strength

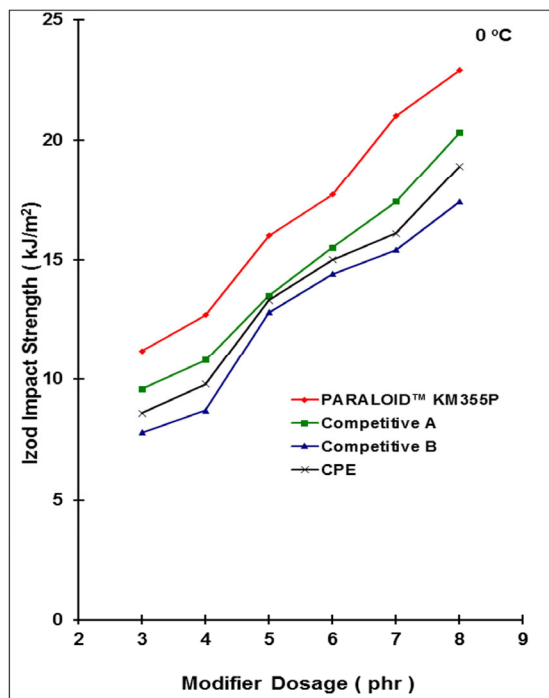
PARALOID™ KM-355P Impact Modifier imparts excellent impact improvement both at room temperature and 0°C.

The efficiency of PARALOID™ KM-355P is much higher than that of competitive products.



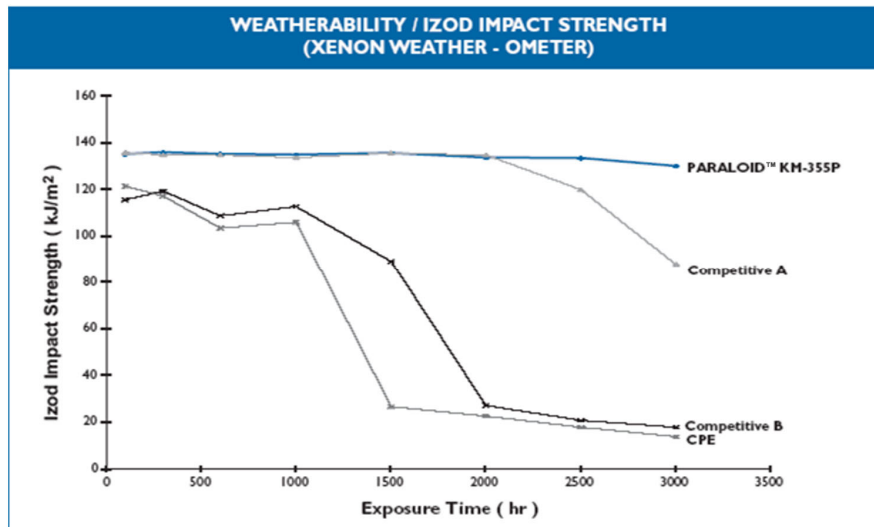


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Weatherability

Weatherability (retention of impact efficiency) is very important in building application. The superior performance of PARALOID™ KM-355P Impact Modifier over competitive products is demonstrated clearly.



Product Packaging

The standard package is either a unitized pallet of 20 kg bags or 500 kg super sacks/big bags/FIBC bags. Please consult a Dow representative for specific package availability for this product.



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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.

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 will not knowingly sell or sample any product or service ("Product") into any commercial or developmental application that is intended for:

- Long-term or permanent contact with internal body fluids or tissues. "Long-term" is contact which exceeds 72 continuous hours
- Use in cardiac prosthetic devices regardless of the length of time involved ("cardiac prosthetic devices" include, but are not limited to, pacemaker leads and devices, artificial hearts, heart valves, intra-aortic balloons and control systems, and ventricular bypass-assisted devices)
- Use as a critical component in medical devices that support or sustain human life
- Use specifically by pregnant women or in applications designed specifically to promote or interfere with human reproduction

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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.



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Regulatory Information

Contact information:

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

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.

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