Technical Data Sheet

PARALOID™ K-120P and PARALOID™ K-130P Processing Aids

Description

PARALOID™ K-130P Processing Aid is a general purpose acrylic processing aid for all PVC products, especially suitable for clear applications, such as bottles, calendered and extruded film and sheet.

PARALOID™ K-120P Processing Aid is also suitable for clear PVC applications, especially designed for thinner film and sheet.

PARALOID™ K-120P and PARALOID™ K-130P Processing Aids are manufactured at Dow's Singapore Plant to directly support growing demand in the Asia-Pacific region.

Applications

- PVC sheet
- PVC film
- Other clear and opaque PVC articles

Regional Product availability

- Asia Pacific

Typical properties

PARALOID™ K-120P and PARALOID™ K-130P Processing Aids are a free-flowing powder

PARALOID™ K-120P and PARALOID™ K-130P

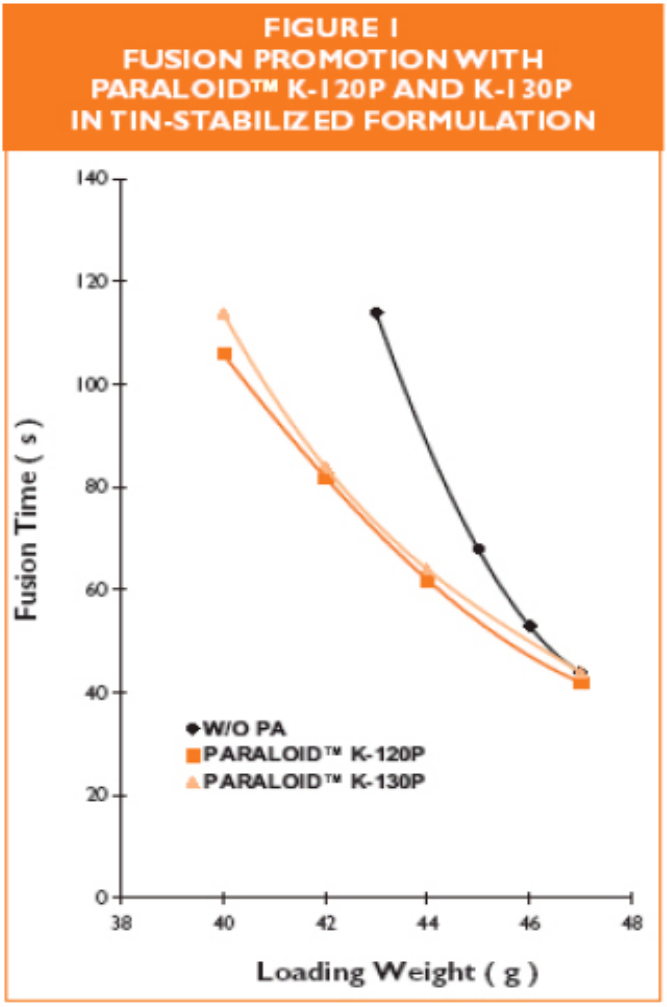
Physical appearance	White Powder
Bulk density aerated (g/cm^3)	0.45±0.10
Volatiles (% max)	1.0
Fines level, on 850 micron (% max)	1.0
Fines level, through 45 micron (% max)	15.0

Key attributes

- Excellent clarity and surface quality for end-use products
- Superior fusion promotion for rigid and soft PVC

Rheology and processing

Both PARALOID™ K-120P and PARALOID™ K-130P Processing Aids promote and homogenize PVC fusion drastically and improve clarity and suface finish.



Air Marks Elimination

Both PARALOID™ K-120P and PARALOID™ K-130P Processing Aids give a smooth rolling melt bank and eliminate air bubbles in the bank.

Flow Marks Reduction

Switching to PARALOID™ K-120P Processing Aid is recommended to reduce flow marks in the film and sheet

Experimental

Fusion Promotion Test	Air Marks Elimination	Flow Marks Observation
Formulation	***Formulation***	***Formulation***
sPVC K58=100 wt parts	sPVC K65=100 wt parts	sPVC K58=100 wt parts
ADVASTAB® methyl tin	ADVASTAB® methyl tin	ADVASTAB® methyl tin
stabilizer = 1.2	stabilizer = 1.2	stabilizer = 1.2
ADVALUBE® glycerol mono oleate - 0.8	Dioctylphthalate = 50	ADVALUBE® glycerol mono oleate = 0.8
ADVAWAX® ester wax (Tm 55°C) = 0.3	ADVAWAX® ester wax (Tm 55°C) = 0.3	ADVAWAX® ester wax (Tm 55°C) = 0.3
PARALOID™ K-175P = 0.5	PARALOID™ K-175P = 0.2	PARALOID™ K-175P = 0.5
PARALOID™ K-120P or K-130P = 1.0 or 0	PARALOID™ K-130P = 1.0 or 0	PARALOID™ K-120P or Competitive product = 1.3
PARALOID™ BTA-717 = 6.0		PARALOID™ BTA-717 = 6.0
Equipment	***Equipment***	***Equipment***
Brabender Plasticorder PL-2000	Collin Two Roll Mills	Surface roughness Tester
Bowl Type: W50		
Bowl Temp: 165°C		
Rotor Speed: 35 min-1		

Note: ADVASTAB®, ADVALUBE®, and ADVAWAX® are registered trademarks of PMC Cincinnati, Inc.

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.

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

Customers considering use of Dow products in medical applications must notify Dow so that appropriate assessments may be conducted. Dow does not endorse or claim suitability of its products for specific medical applications. It is the responsibility of the medical device or pharmaceutical manufacturer to determine that the Dow product is safe, lawful, and technically suitable for the intended use.

DOW MAKES NO WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE SUITABILITY OF ANY DOW PRODUCT FOR USE IN MEDICAL APPLICATIONS.

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