



PARALOID™ KM-940

Multi-functional Acrylic Impact Modifier and Processing Aid

PRODUCT DESCRIPTION

PARALOID KM-940 additive is an acrylic multi-functional modifier from Rohm and Haas designed to perform as both impact modifier and processing aid. In addition to its ease of use, PARALOID KM-940 additive is designed to provide high-rate profile extrusion and filler compatibility. It produces fast fusion and homogeneous melt along with metal release and freedom from plate-out. The result is a high quality, high gloss profile with excellent ductility and weatherability.

PROPERTIES

PARALOID KM-940 modifier's multi-functional combination of properties provides:

- High Throughput
- Low Shrinkage
- Wide Processing Latitude
- Outstanding Melt Strength
- Excellent Ductility
- Medium-to-High Gloss

PHYSICAL DESCRIPTION

Chemical Description: Acrylic-based polymer
Appearance: PARALOID KM-940 is a free-flowing white powder

APPLICATIONS/USES

PARALOID KM-940 modifier has been developed with a focus on vinyl window and other exterior profile. With its acrylic composition, PARALOID KM-940 modifier imparts excellent weatherability to a medium-to-high gloss, highly ductile extruded profile.

PARALOID KM-940 IN A VINYL WINDOW PROFILE (HIGH GLOSS)

Vinyl Resin (K=66-67; i.v. = 0.92)	100 PHR
ADVASTAB TM-181	1.2
Calcium Stearate	0.75
Paraffin Wax (165°F)	0.6
ADVALUBE B-3310	0.7
ADVALUBE F-1005	0.25
Oxidized Polyethylene	0.15
PARALOID KM-940	6.5
TiO ₂	9.0
CaCO ₃ (0.7μ M.P.S.)	5.0

RECOMMENDED USE LEVELS

The use level will depend on the required performance in a particular matrix. Please refer to the preceding formulation chart for guidance or contact Rohm and Haas technical service.

STANDARD PACKAGING

The standard package is either a unitized pallet of 50 x 50 lb. bags (2500 lb. net) or a unitized pallet of 2 x 1000 lb. bags (2000 lb. net). Please check with your account representative for specific package availability as some packages are dependent upon density and demand of material.



PLASTICS ADDITIVES

STORAGE AND HANDLING

(see MSDS for details)

Standard recommended storage conditions are as follows:

- Store indoors, protected from weather (moisture)
- Temperature should not exceed 60°C
- Protect from ultraviolet light
- With stretch hood or stretch wrap intact (if applicable)

Unopened (if material is opened, it should not be left exposed and should be used within one month); ambient temperature preferred.

When stored correctly in the original packaging, the shelf life is:

2.5 years from date of manufacture

SAFE HANDLING INFORMATION

Avoid high concentrations of dust in air and accumulation of dust on equipment. An airborne dust of this material can create a dust explosion. When handling and processing this material, local exhaust ventilation may be required to control dust and reduce exposure to vapors. To prevent dust explosions, employ bonding and grounding for operations capable of generating static electricity. Dispose by placing powder or pellets in air tight bags. Incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations.

MATERIAL SAFETY DATA SHEETS (MSDS)

Material Safety Data Sheets are available outlining hazards and safe handling methods. Contact Rohm and Haas for copies of the MSDS for this product and for other handling information.

AMERICAS

Corporate Headquarters
Rohm and Haas Company
100 Independence Mall West
Philadelphia, Pennsylvania 19106-2399
USA
Tel: +1 215 592 3000
email: plastad_nar@rohmmaas.com

Customer Service: Tel: 1 800 356 3402 (Toll-Free from Canada and the USA)
Fax: 1 888 654 0599 (Toll-Free Fax Direct to Customer Service in Canada)
Fax: 1 877 696 9675 (Toll-Free Fax Direct to Customer Service in USA)
Tel: +1 215 592 3117 (from Mexico, Central and South America and the Caribbean)
Fax: +1 215 592 2047

ASIA-PACIFIC

Rohm and Haas Japan K.K.
Tel: +81 (0)44 814 8100
Fax: +81 (0)44 814 8121
email: plastad_apr@rohmmaas.com

EUROPE

Rohm and Haas UK Ltd
Tel: +44 (0)20 8774 5368
Fax: +44 (0)20 8774 5369
email: plastad_er@rohmmaas.com

Visit Plastics Additives at the Rohm and Haas Website: www.rohmmaas.com/PlasticsAd

ROHM AND HAAS COMPANY IS A RAW MATERIALS SUPPLIER, NOT AN END-USE MANUFACTURER OF PRODUCT. DEVELOPMENT OF A FINAL FORMULATION, TESTING, APPLICATION, AND ULTIMATE PERFORMANCE OF THE END-USE PRODUCT IS FULLY THE RESPONSIBILITY OF THE FORMULATOR.

These suggestions and data are based on information we believe to be reliable. They are offered in good faith but, as conditions and methods of use of our products are beyond our control, ROHM AND HAAS COMPANY MAKES NO WARRANTIES, EITHER EXPRESS OR IMPLIED, CONCERNING THE FINAL END-USE PRODUCT. ROHM AND HAAS COMPANY EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.

Suggestions for uses of our product or the inclusion of descriptive material from patents and the citation of specific patents in this publication should not be understood as recommending the use of our products in violation of any patent, or as permission or license to use any patents of the Rohm and Haas Company.

PARALOID, PARALOID EXL, ADVASTAB, ADVAWAX, ADVALUBE, ADVAPAK, ADVAFLEX, VINYLZENE, Bio-Pruf, Bio-Pruf TREATED, ACRYLIGARD and EZ-FLO are trademarks of Rohm and Haas Company or of its subsidiaries or affiliates.