

Plastistrength® 770

Acrylic Process Aid

PRODUCT DESCRIPTION

Plastistrength® 770 process aid is a lubricating acrylic process aid that brings enhanced processability to vinyl compounds through exceptional metal release properties. Plastistrength® 770 process aid is a first class solution to improve the surface quality of finished articles and prevent plate-out issues.

TYPICAL PHYSICAL PROPERTIES

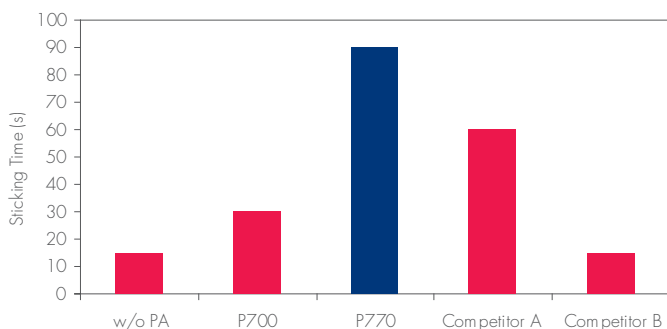
Physical Form	White Powder
Specific Gravity	1.11
Bulk Density	0.5 g/cc
Particle Size	2% Max on 40 mesh
Percent Volatiles	1% by weight

PRODUCT BENEFITS

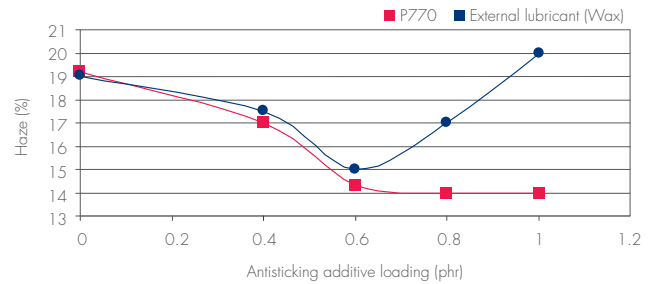
Lubricity

Plastistrength® 770 process aid provides excellent lubricity to vinyl formulations, while imparting high optical properties and surface quality to the end products, and retaining printability. Plastistrength® 770 process aid can replace external lubricants by providing efficient anti-sticking effect without any plate-out issue.

Superior efficiency of P770 PA (Processing temperature = 205 °C)



Transparent formulation, organotin stabilized, processed on a two-roll mill equipment (diam 150), with 1.2 phr of process aid



Optimized output

The use of Plastistrength® 770 process aid enables manufacturers of rigid vinyl products to eliminate excessive downtime due to sticking and burning of processed compounds, with limited effect on PVC fusion and rheology.

Property	Neat PVC compounds	+ 1.2 phr P770 PA
Melt viscosity (x1000 Pa.s)	3.60	3.70
Fusion time at 170°C (s)	225	210

Better value in use

The unique design and chemical composition of Plastistrength® 770 process aid makes it more efficient than any other type of anti-sticking process aid. This higher efficiency can be used to either improve quality or to generate cost savings by dosage reduction.

SUGGESTIONS FOR USE

Plastistrength® 770 process aid is recommended for PVC and CPVC applications where good metal release from process equipment is required such as high-speed extrusion, calendaring, injection molding and blow molding. Plastistrength® 770 is commonly used in PVC formulations for food or pharmaceutical packaging. Dedicated information on formulation and regulatory status is available upon request.

Customers should evaluate Plastistrength® 770 process aid in their own laboratories to establish optimum conditions for use in their processes and applications. Arkema's Technical Service Team is available to discuss your application requirements, provide formulation guidance and laboratory testing as needed.

PACKAGING

Plastistrength® 770 process aid is packaged in 20 kg bags (500 kg per pallet), 500 kg bulk bags (1000 kg per pallet) and 1000 lb bulk bags.

ENVIRONMENTAL AND SAFETY INFORMATION

BEFORE HANDLING THIS MATERIAL, READ AND UNDERSTAND THE MSDS (MATERIAL SAFETY DATA SHEET) / SDS (SAFETY DATA SHEET) FOR ADDITIONAL INFORMATION ON SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION. The MSDS/SDS are available on our Website www.arkema.com or upon request at our Customer Service Department. Arkema believes strongly in Responsible Care® as a public commitment.

MORE TECHNICAL INFORMATION AVAILABLE

Ask your Arkema account manager for further information on high quality Arkema additives for use in PVC, PC, PBT, ABS, PLA and other polymer systems. Arkema produces a full line of impact modifiers, processing aids and epoxidized vegetable oils. In addition, Arkema's Technical Service staff is also available to assist compounders and processors with formulation and processing advice.

Durastrength® Impact Modifiers

Durastrength® acrylic impact modifiers deliver outstanding impact characteristics for outdoor durable applications in PVC and Engineering Resins.

Plastistrength® Process Aids

Plastistrength® process aids offer producers a complete line of melt strengtheners and metal release agents for PVC and Engineering Resins. Plastistrength® process aids can improve fusion, surging, and aesthetics.

Clearstrength® Impact Modifiers

Clearstrength® MBS impact modifiers are designed for extreme impact or impact/clarity combination in PVC and Engineering Resins.

Biostrength® Additives

Biostrength® product line of impact modifiers, melt strengtheners and metal release agents are designed to improve properties and enhance processability of polylactic acid (PLA) and other biopolymers compounds.

FOR MORE INFORMATION CONTACT

Please contact your local account manager or our headquarters:

In Europe:

ARKEMA
Arkema Coating Resins
420 Rue d'Estienne d'Orves
92705 COLOMBES Cedex, France
Tel: +33 (0) 149 008 080
www.arkema.com/en/products/contact

In US:

Arkema Inc.
Coating Resins
410 Gregson Dr
Cary, NC 27511
Tel: +1 (877) 331-6696
www.arkema.com/en/products/contact

In Asia:

Arkema Pte Ltd.
10, Science Park Road, #01-01A,
The Alpha Singapore Science Park II,
Singapore 117684 Tel: +65 6419 9199
www.arkema.com/en/products/contact

VISIT US AT OUR WEBSITE

www.additives-arkema.com
www.arkema.com

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement. See SDS for Health & Safety Considerations. Arkema has implemented a Medical Device Policy regarding the use of Arkema products in medical device applications that are in contact with the body or circulating bodily fluids: (<http://www.arkema.com/en/social-responsibility/responsible-product-management/medical-device-policy/index.html>). Arkema has designated Medical grades to be used for such medical device applications. Products that have not been designated as medical grades are not authorized by Arkema for use in medical device applications that are in contact with the body or circulating bodily fluids. In addition, Arkema strictly prohibits the use of any Arkema products in Medical Device applications that are implanted in the body or in contact with bodily fluids or tissues for greater than 30 days.

The Arkema trademarks and the Arkema name shall not be used in conjunction with customers' medical devices, including without limitation, permanent or temporary implantable devices, and customers shall not represent to anyone else, that Arkema allows, endorses or permits the use of Arkema products in such medical devices. It is the sole responsibility of the manufacturer of the medical device to determine the suitability (including biocompatibility) of all raw materials, products and components, including any medical grade Arkema products, in order to ensure that the final end-use product is safe for its end use; performs or functions as intended; and complies with all applicable legal and regulatory requirements (FDA or other national drug agencies) It is the sole responsibility of the manufacturer of the medical device to conduct all necessary tests and inspections and to evaluate the medical device under actual end-use requirements and to adequately advise and warn purchasers, users, and/or learned intermediaries (such as physicians) of pertinent risks and fulfill any postmarket surveillance obligations. Any decision regarding the appropriateness of a particular Arkema material in a particular medical device should be based on the judgment of the manufacturer, seller, the competent authority, and the treating physician.

Clearstrength® and Plastistrength® are registered trademarks of Arkema.
Biostrength® and Durastrength® are registered trademarks of Arkema Inc.
Responsible Care® is a registered trademark of the American Chemistry Council Inc.
2019 Arkema Inc. All rights reserved.