

PLASTISTRENGTH®

TDS/TECHNICAL DATA SHEET

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

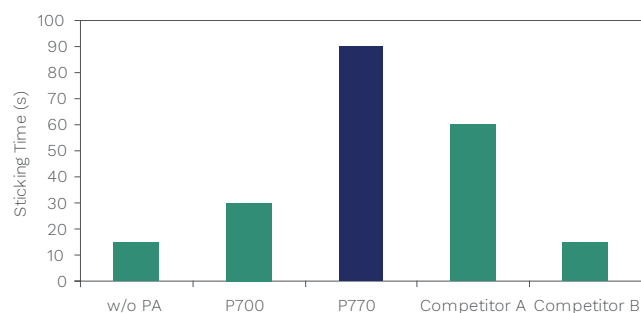
Physical Form	White Powder
Specific Gravity	1.11
Bulk Density	0.5 g/cm ³
Particle Size	2% Max on 40 Mesh
Percent Volatiles	1% by weight

PRODUCT BENEFITS

Lubricity

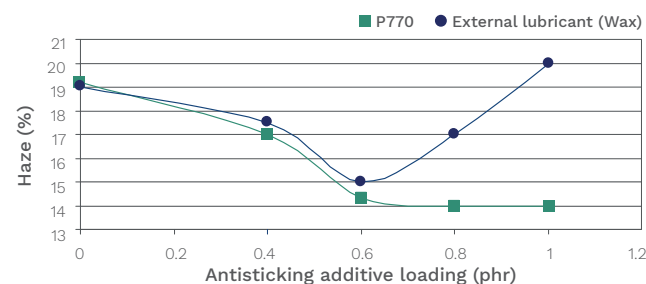
Plastistrength® 770 process aid provides excellent lubricity to vinyl formulations, while imparting high optical properties and surface quality to the end products, and retaining printability. Plastistrength® 770 process aid can replace external lubricants by providing efficient antisticking effect without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

PRODUCT BENEFITS



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, calendering, 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 Epoxy, (meth)-acrylic and other polymer or thermosetting systems. Arkema produces a full line of impact modifiers and processing aids. 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

Clearstrength® Impact Modifiers are designed for extreme impact or impact/clarity combination in PVC and Engineering Resins. Clearstrength® Impact Modifiers provide superior toughening effect in epoxy and (meth)-acrylic 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:

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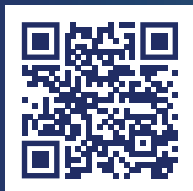
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