

PLASTISTRENGTH®

TDS/TECHNICAL DATA SHEET

Plastistrength® 379 Acrylic Process Aid

PRODUCT DESCRIPTION

Plastistrength® 379 process aid is a high molecular weight acrylic process aid providing the melt strength required to lower density and maintain consistent cellular structure in vinyl foam formulations.

Plastistrength® 379 process aid is especially suited for PVC foam profiles and moldings and foam core pipe extrusion.

TYPICAL PHYSICAL PROPERTIES

Physical Form	White Powder
Bulk Density	0.5 g/cm ³
Particle Size	< 2% retained on 40 mesh
Percent Volatiles	< 1.2%

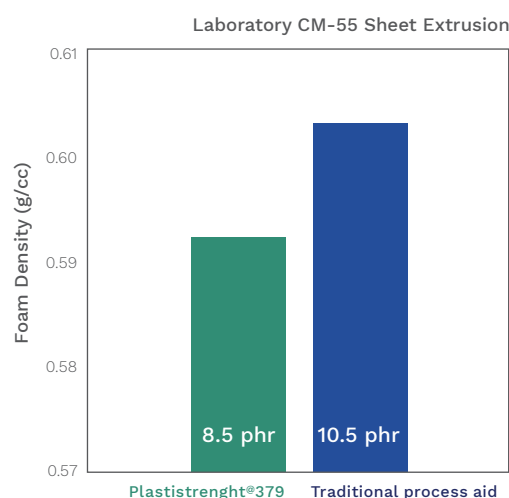
PRODUCT BENEFITS

Melt strength

Resulting from its high molecular weight and innovative composition, Plastistrength® 379 process aid delivers optimized melt strength and rheology for foamed profile extrusion and thin foamed sheet applications.

Foam density

Plastistrength® 379 process aid's melt strength delivers foaming density allowing dosage reduction as high as 20% versus traditional foam process aid technology while maintaining consistent cellular structure.



SUGGESTIONS FOR USE

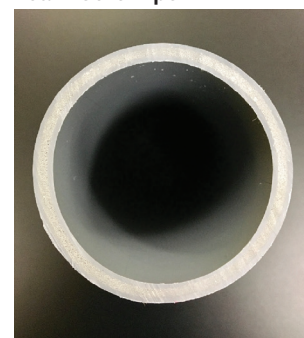
Plastistrength® 379 process aid is recommended for most vinyl foam applications. Due to superior melt strength versus traditional, lower molecular weight technology, it is well suited for use in Celuka processes for foamed profiles like molding and foam core pipe. Efficiency gains through lower acrylic process aid use levels may be achieved replacing older technology.

Customers should evaluate Plastistrength® 379 process aid in their own laboratories and formulations 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 conduct laboratory testing as needed.

Cellular PVC Sheet



Foam Core Pipe



PACKAGING

Plastistrength® 379 process aid is packaged in 1,000 lb. totes and available for sampling quantities upon request.

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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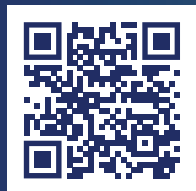
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<http://www.arkema.com/en/products/product-safety/disclaimer/> (2022/06/23)

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