

Plastistrength® 566

Acrylic Process Aid

PRODUCT DESCRIPTION

Plastistrength® 566 process aid is a unique ultra-high molecular weight acrylic process aid providing ultra-high melt strength combined with excellent foam density, cellular structure and surface finish to vinyl foam formulations. Plastistrength® 566 process aid has been especially designed for PVC foam profiles and foam core pipes.

TYPICAL PHYSICAL PROPERTIES*

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

*Typical properties not to be construed as specifications

PRODUCT BENEFITS

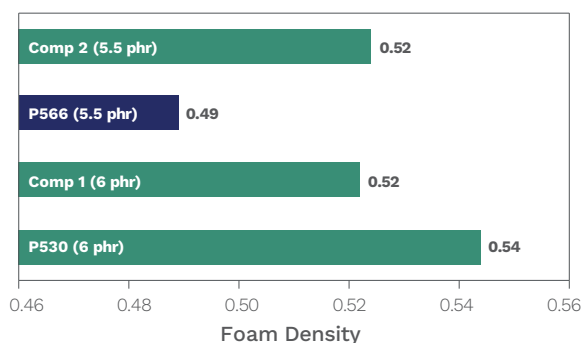
Melt strength

Thanks to its ultra-high molecular weight and innovative composition, Plastistrength® 566 process aid delivers optimum melt strength and rheological behavior for high quality foam formulations.

Foam density

Plastistrength® 566 process aid's advanced technology provides exceptional foaming efficiency allowing dosage reduction as high as 15% compared with standard process aids for foams.

Plastistrength® 566 process aid offers a better value in formulations:



PRODUCT BENEFITS

Plastistrength® 566 provides superior inward foaming effect (lab scale simulation of Celuka process)



Cell structure and surface finish

Plastistrength® 566 process aid provides uniform, closed-cell structure as well as good surface finish of cellular PVC.

Powder properties

Plastistrength® 566 process aid leverages Arkema's expertise on optimization of additive powder properties for use in PVC processes.

SUGGESTIONS FOR USE

Plastistrength® 566 process aid is recommended for all vinyl foam applications. Due to its superior melt strength property, it is mainly dedicated to Celuka profiles and foam-core pipes. Plastistrength® 566 process aid has also shown added benefits in Celuka and free foam sheets at lower dosage.

Customers should evaluate Plastistrength® 566 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® 566 process aid is packaged in 20 kg bags (500 kg per pallet).

ENVIRONMENTAL AND SAFETY INFORMATION

Before handling this material, read and understand the Safety Data Sheet (SDS) for additional information on handling, storage, and disposal of the product to ensure the health of users, the safety of facilities, and the protection of the environment. The SDS is 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, epoxies, (meth)-acrylics, and other thermoplastic 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 recommendations.

Durastrength® Impact Modifiers

Durastrength® acrylic impact modifiers deliver outstanding impact characteristics for outdoor durable applications in PVC, engineering resins and thermosets.

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.

Biostrength® Additives

Biostrength® impact modifiers are designed to improve properties and enhance processability of polylactic acid (PLA) and other biopolymer compounds.

FOR MORE INFORMATION CONTACT

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