

PLASTISTRENGTH®

TDS/TECHNICAL DATA SHEET

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 |

PRODUCT BENEFITS

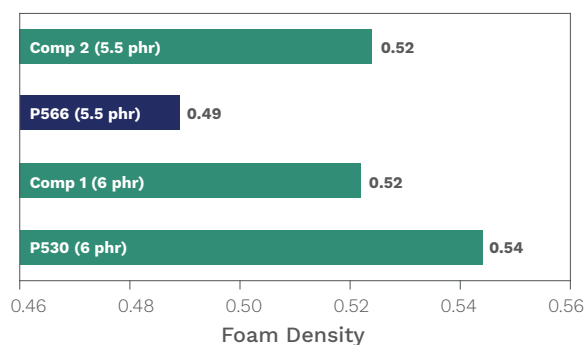
Melt strength

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

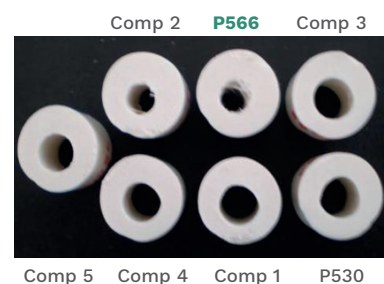
Plastistrength® 566 process aid's advanced technology provides exceptional foaming efficiency allowing dosage reduction as high as 15% compared with standard process aids for foams.

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), and 500 kg bulk bags (1000 kg per pallet).

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

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