

PLASTISTRENGTH®

TDS/TECHNICAL DATA SHEET

Plastistrength® 564 Acrylic Process Aid

PRODUCT DESCRIPTION

Plastistrength® 564 process aid is a very high molecular weight acrylic process aid providing very high melt strength combined with optimum PVC fusion promotion effect. Plastistrength® 564 process aid has been especially designed to improve filler dispersion in high filler content PVC applications.

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

Filler dispersion

Thanks to its very high molecular weight and innovative composition, Plastistrength® 564 process aid delivers optimum melt strength and fusion behavior to high filler content PVC formulations. This allows for better dispersed filler particles within the PVC matrix, which improves mechanical properties as well as the surface finish quality.

Formulation cost

Because of its high molecular weight and unique composition, Plastistrength® 564 process aid offers an optimized compromise between performance and formulation cost. Compared to standard process aids, Plastistrength® 564 process aid allows significant dosage reduction.

Powder properties

Plastistrength® 564 process aid leverages Arkema expertise on optimization of additive powder properties for use in PVC processes.

SUGGESTIONS FOR USE

Plastistrength® 564 process aid is particularly recommended for vinyl siding, window sills, wall panels, pipes and any other kind of high filler content PVC application.

Customers should evaluate Plastistrength® 564 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® 564 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

Please contact your local account manager or our headquarters:

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