

Plastistrength® 562

Acrylic Process Aid

PRODUCT DESCRIPTION

Plastistrength® 562 process aid is a high molecular weight acrylic process aid providing high melt strength combined with optimum PVC fusion promotion effect. Plastistrength® 562 process aid has been especially designed to improve filler dispersion in rigid and semi-rigid PVC applications.

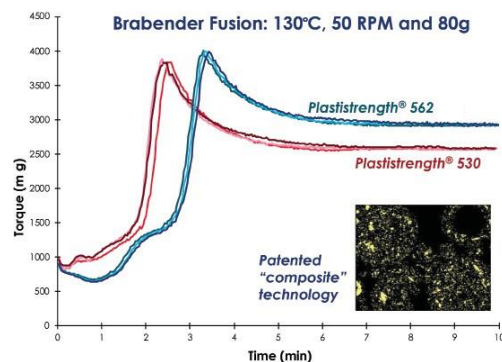
TYPICAL PHYSICAL PROPERTIES*

Physical Form	White Powder
Specific Gravity	1.11
Bulk Density	0.55 – 0.75 g/cm ³
Particle Size	2% retained on 40 mesh
Percent Volatiles	<1% by weight

*Typical properties not to be construed as specifications

FILLER DISPERSION

Thanks to its high molecular weight and innovative composition, Plastistrength® 562 process aid delivers optimum melt strength and fusion behavior to rigid and semi-rigid PVC formulations. This allows for better dispersion of inorganic fillers and additives within the PVC matrix, which improves melt processing and mechanical properties.

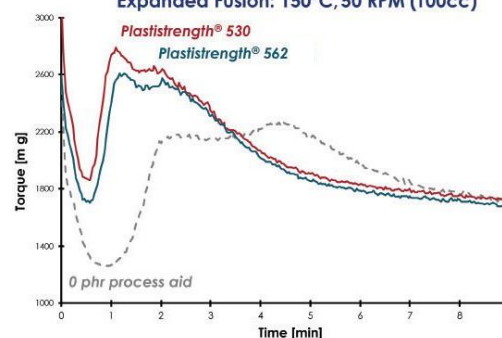


Component	PHR
PVC Resin (0.82 IV)	100
Ca / Zn Stabilizer	2.5
Stearic Acid	0.2
Vikoflex® 7170 (ESO)	10
Plasticizer (DOTP)	20
Plastistrength® Process Aid	3
Calcium Carbonate (3µm)	250
Titanium Dioxide	2.5

FORMULATION COST

Because of its high molecular weight and unique composition, Plastistrength® 562 process aid offers an optimized balance between performance and formulation cost. Compared to standard process aids, Plastistrength® 562 process aid allows cost reduction without compromising melt processing performance.

Expanded Fusion: 150°C, 50 RPM (100cc)



Component	PHR
PVC Resin (0.91 IV)	100
Ca / Zn Stabilizer	2
Vikoflex® 7170 (ESO)	2
Plasticizer (DOTP)	20
Plastistrength® Process Aid	0 or 1.5

POWDER PROPERTIES

Plastistrength® 562 process aid leverages Arkema expertise on optimization of additive powder properties for use in PVC processes.

SUGGESTIONS FOR USE

Plastistrength® 562 process aid is particularly recommended for highly filled substrate applications like luxury vinyl tile or vinyl siding substrate, PVC conduit, and semi-rigid or rigid PVC applications where enhanced fusion promotion is desired.

Customers should evaluate Plastistrength® 562 process aid in their own laboratories to optimize 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® 562 process aid is packaged in 1500 lb. big bags.

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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