

PLASTISTRENGTH®

TDS/TECHNICAL DATA SHEET

Plastistrength® 562 Acrylic Process Aid

PRODUCT DESCRIPTION

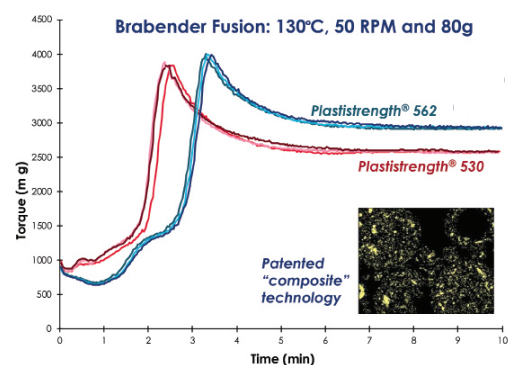
Plastistrength® 562 process aid is a high molecular weight acrylic process aid providing high melt strength combined with optimum PVC fusion promotion effect. Plastistrength® 562 process aid has been especially designed to improve filler dispersion in rigid and semi-rigid PVC applications.

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

FILLER DISPERSION

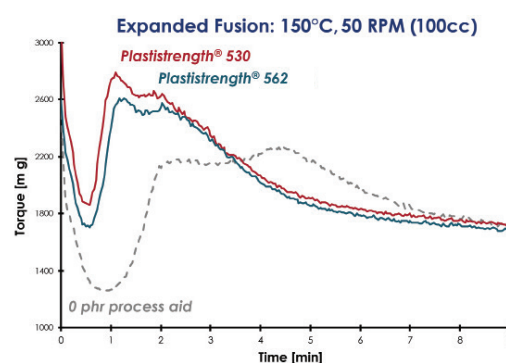
Thanks to its high molecular weight and innovative composition, Plastistrength® 562 process aid delivers optimum melt strength and fusion behavior to rigid and semi-rigid PVC formulations. This allows for better dispersion of inorganic fillers and additives within the PVC matrix, which improves melt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



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 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:

In Europe

ARKEMA
Arkema Coating Resins
420 Rue d'Estienne d'Orves
92705 COLOMBES Cedex, France
Tel: +33 (0) 149 008 080
plasticadditives.arkema.com/en/contact/

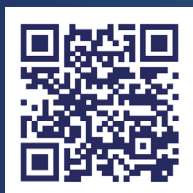
In US

Arkema Inc.
Coating Resins
410 Gregson DrCary, NC 27511
Tel: +1 (877) 331-6696
plasticadditives.arkema.com/en/contact/

In Asia

Arkema Pte Ltd.
10, Science Park Road, #01-01A,
The Alpha Singapore Science
Park II,
Singapore 117684
Tel: +65 6419 9199
plasticadditives.arkema.com/en/contact/

Don't hesitate to visit plasticadditives.arkema.com



ASK QUESTIONS
TO OUR EXPERTS



LIBRARY
DOCS
WEBINARS



WEB SERVICES
TDS
SAMPLING



PRODUCT
SELECTORS
BROCHURES

Clearstrength® and Plastistrength® are registered trademarks of Arkema. Biostrength® and Durastrength® are registered trademarks of Arkema. Responsible Care® is a registered trademark of the American Chemistry Council Inc. 2022 Arkema Inc. All rights reserved.

Please consult Arkema's disclaimer regarding the use of our products on <http://www.arkema.com/en/products/product-safety/disclaimer/> (2022/06/23)

ARKEMA

plasticadditives.arkema.com