

Plastistrength® 552

Acrylic Process Aid

PRODUCT DESCRIPTION

Plastistrength® 552 is high molecular weight acrylic process aid designed to provide engineering plastics and its polymer blends such as PC/styrenic (PC/ASA, PC/SAN or PC/ABS) high homogeneity and stronger compatibility between the polymer phases at low loading levels.

TYPICAL PHYSICAL PROPERTIES

Physical Form	White Powder
Specific Gravity	1.17
Bulk Density	0.45 g/cc
Particle Size	2% Max on 40 Mesh
Percent Volatiles	1.2% Max

*Typical properties not to be construed as specifications

PRODUCT BENEFITS

1. Owing to a unique chemical composition and polymer structure, Plastistrength® 552 process aid provides strong entanglements and higher melt shear process, thus allowing for more homogenous blends and finer blend morphology.
2. Owing to its optimum acrylic copolymer chemistry allowing partial miscibility in various engineering plastics, Plastistrength® 552 process aids allows polymer blends such as PC/SAN or PC/ABS to have a stable morphology.
3. Plastistrength® 552 process aid is capable of selectively entangling polymer chains which significantly reduces injection molding anisotropy.
4. During injection molding, Plastistrength® 552 process aid controls dimensional melt flow and eliminates gate blush, jetting or any “sharkskin” defects that may be introduced by pigments or other polymeric additives.

SUGGESTIONS FOR USE

Plastistrength® 552 process aid is recommended for PC/Styrenic blends where often stable morphology is obtained only by unique compounding know-how.

Plastistrength® 552 will open processing window and allow compounders to easily achieve high quality blend morphology necessary for high impact performance, high flow behaviour and additives dispersion.

Prospective clients should evaluate Plastistrength® 552 process aid in their own laboratories to establish optimum conditions 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.

Poor pigment dispersion



PC/ABS

PC/ABS + 1.0 P552IM

PACKAGING

Plastistrength® 552 process aid is packaged in 20 kg 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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