

DURASTRENGTH®

TDS/TECHNICAL DATA SHEET

Durastrength® 367 Acrylic Impact Modifier

PRODUCT DESCRIPTION

Durastrength® 367 is a new generation of composite acrylic core-shell impact modifier that presents improved impact properties and corner weld strength versus current non acrylic solutions. It is devoted to outdoor vinyl applications.

Durastrength® 367 unique and patented structure makes it our most cost effective impact modifier for building application formulations.

Durastrength® 367 is particularly recommended as an alternative to non-acrylic impact modifier in applications where improved impact properties such as double V notch Charpy impact and corner weld strength are required. Furthermore, Durastrength® 367 is showing similar processing conditions and high stability than current Durastrength® series in Ca/Zn and lead stabilized PVC formulations.

PRODUCT BENEFITS

1. Durastrength® 367 impact modifier is designed to provide optimum balance between impact strength, formulation cost, and productivity output (including reduced scrape rate), allowing its users to develop the most competitive impact resistant formulations on the market.
2. Durastrength® 367 impact modifier is optimized to provide excellent corner weld strength particularly in window profile formulation with increased filler content.
3. Durastrength® 367 impact modifier leverages the same long term weather resistance chemistry that has been proven by our acrylic-based Durastrength® series in the building and construction market for over 35 years in the world.
4. Durastrength® 367 impact modifier is known to impart better flowability to PVC dry-blends unlike non acrylic impact modifier alternatives.

TYPICAL PHYSICAL PROPERTIES

Physical Form	White Powder
Bulk Density	0.5 g/cc
Particle Size D10	100 µm
Particle Size D50	250 µm
Particle Size D90	450 µm
Percent Volatiles	1%

SUGGESTIONS FOR USE

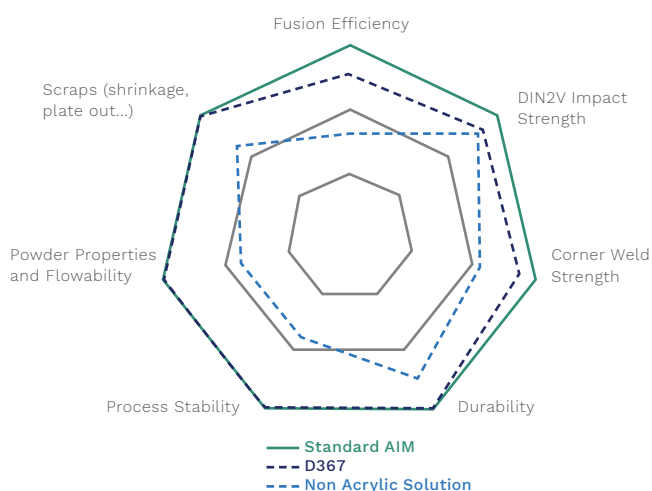
Durastrength® 367 impact modifier is recommended for use in window profile, pipe, fencing and siding and all durable applications where ambient and cold temperatures impact resistance as well as cost efficiency are required.

Durastrength® 367 acrylic impact modifier can generally replace any standard acrylic impact modifier without any formulation adjustment. Furthermore, it will be the best alternative with improved overall properties to non-acrylic impact modifiers.

Durastrength® 367 impact modifier is suitable for lead, tin and mixed metals stabilized formulations.

Customers should evaluate Durastrength® 367 impact modifier 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.

PRODUCT BENEFITS



PACKAGING

Durastrength® 367 impact modifier is packaged in 20 kg bags (1000Kg 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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