

DURASTRENGTH®

TDS/TECHNICAL DATA SHEET

Durastrength® 365s Acrylic Impact Modifier

PRODUCT DESCRIPTION

Durastrength® 365s is a new generation composite acrylic core-shell impact modifier that imparts superior impact properties to outdoor vinyl applications.

Durastrength® 365s impact modifier provides higher impact strength and wider processing window than Durastrength® 365, leading to unmatched cost/performance balance on the market.

Durastrength® 365s impact modifier is particularly valuable in mixed metal stabilised applications and where double V notch Charpy impact and/or falling weight impact resistances are required.

TYPICAL PHYSICAL PROPERTIES

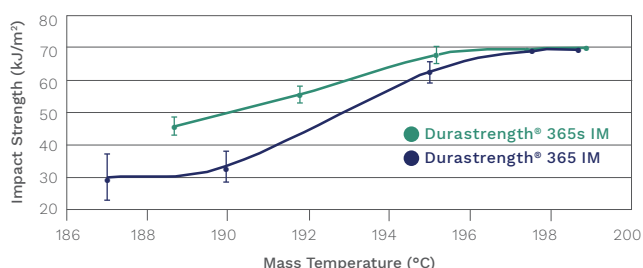
Physical Form	White Powder
Bulk Density	0.45 g/cc
Particle Size D10	100 µm
Particle Size D50	250 µm
Particle Size D90	450 µm
Percent Volatiles	1%

PRODUCT BENEFITS

1. Durastrength® 365s impact modifier is produced using the unique Arkema composite technology that delivers outstanding cost/performance balance in vinyl formulation toughening.

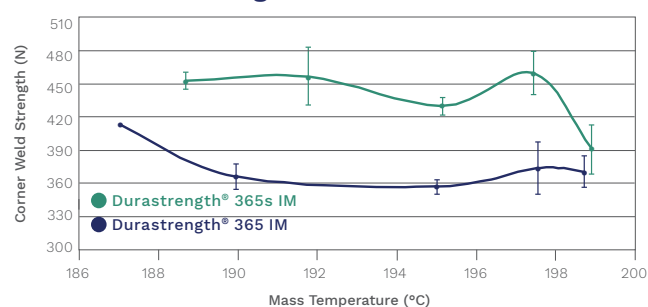
2. Thanks to its optimized synthesis process, Durastrength® 365s impact modifier offers advanced impact strength and corner weld strength properties which are particularly critical in Ca/Zn stabilised PVC window profiles.

Double V notch Charpy (0.1mm)



PRODUCT BENEFITS

Corner Weld Strength



3. Durastrength® 365s new generation impact modifier also conveys to vinyl formulations faster gelation and wider processing window, making it particularly suitable for Ca/Zn stabilised formulations.

4. Durastrength® 365s impact modifier leverages the same long term weather resistance chemistry that has been proven by our Durastrength® series in the building and construction market for over 35 years.

5. Durastrength® 365s impact modifier is known to impart better flowability to PVC dry-blends.

SUGGESTIONS FOR USE

Durastrength® 365s impact modifier is recommended for use in PVC window profile, pipe, fencing, siding, and all durable applications where ambient and low temperatures impact resistance and cost efficiency are required. Durastrength® 365s composite acrylic impact modifier can generally replace any standard acrylic impact modifier without any formulation adjustment. Durastrength® 365s impact modifier is suitable for lead, tin and mixed metal stabilised formulations.

Customers should evaluate Durastrength® 365s acrylic 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.

PACKAGING

Durastrength® 365s impact modifier is packaged in 18 kg bags (450 kg per pallet), 450 kg bulk bags (900 kg per pallet), 750 kg bulk bags (750 kg per pallet) and bulk deliveries.

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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