CLEARSTRENGTH® BY ARKEMA

Clearstrength® C-350

MBS Impact Modifier

PRODUCT DESCRIPTION

Clearstrength® C-350 is a methylmethacrylate-butadiene-styrene (MBS) core-shell impact modifier designed to impart very high impact resistance, even at low temperature use, to clear PVC applications.

TYPICAL PHYSICAL PROPERTIES

Physical Form	White Powder
Specific Gravity	1.02
Bulk Density	0.39 g/cc
Particle Size	2% Max on 18 mesh
Percent Volatiles	1.0% Max

SUGGESTIONS FOR USE

Clearstrength® C-350 impact modifier is particularly recommended for use in rigid bottles as well as calendared films and extruded sheets when very high impact strength is required in addition to clarity.

Clearstrength® C-350 impact modifier is commonly used in PVC formulations for food. Dedicated information on regulatory status is available upon request.

Recommended loading levels depend on impact requirement. Prospective clients should evaluate Clearstrength® C-350 impact modifier in their own laboratories to establish optimum conditions for use in their process and applications. Arkema's Technical Service Team is available to discuss your application requirements, provide formulations guidance and laboratory testing as needed.

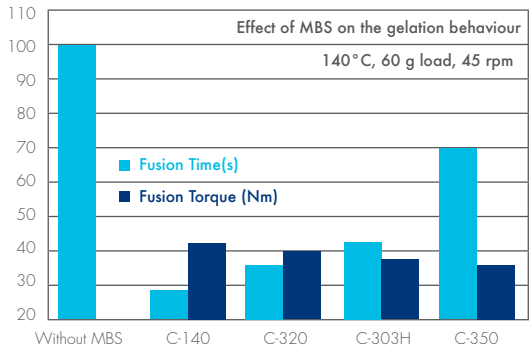
PACKAGING

Clearstrength® C-350 impact modifier is packaged in 20 kg bags (500 kg per pallet) and 500 kg bulk bags (1000 kg per pallet).

PRODUCT BENEFITS

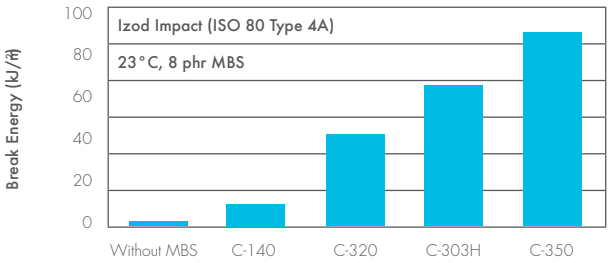
As part of Clearstrength® C series for transparent PVC film and sheets, Clearstrength® C-350 impact modifier offers the following benefits:

Fast fusion contributing to higher output productions

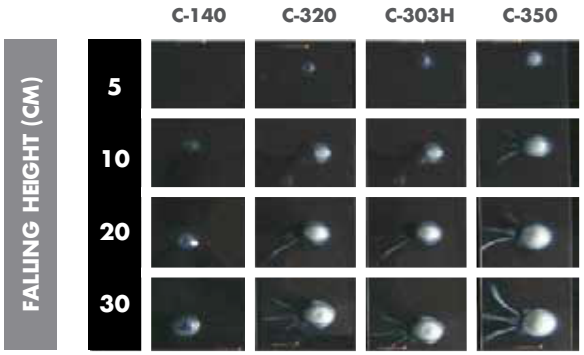


Typical calendering formulation (phr): PVC Kw57: 100, Octyl Organotin Stabilizer: 1.2, internal lubricant: 0.8, ESBO: 1, Plaststrength® 550 process aid: 1, Plaststrength® 770 process aid: 0.7, Clearstrength® C impact modifier: 9

Impact efficiency allowing dosage optimization and cost saving in formulation



Optimum combination of clarity and impact strength satisfying the precise needs of customers



Whitening after dart fall on 200 µm PVC films, 9 phr MBS

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 and other polymer systems. Arkema produces a full line of impact modifiers, processing aids and epoxidized vegetable oils. 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 Modifiers

Clearstrength® MBS impact modifiers are designed for extreme impact or impact/clarity combination in PVC and Engineering 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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