CLEARSTRENGTH®

Clearstrength® C859 MBS Impact Modifier

PRODUCT DESCRIPTION

Clearstrength® C859 is a methylmethacrylate-butadienestyrene (MBS) core-shell impact modifier designed to meet the most demanding impact performances in injection molding, extrusion and calendering opaque applications.

Clearstrength® C859 impact modifier is the next generation Clearstrength® C223 impact modifier, which low-temperature impact performance and processability have made it a leading impact modifier used in CPVC pipes and fittings, furniture films and indoor profiles for over 25 years.

TYPICAL PHYSICAL PROPERTIES

White Powder
1.02
0.39 g/cc
2% Max on 18 Mesh
1.0% Max

PRODUCT BENEFITS

Impact Strength

Thanks to its higher rubber content, Clearstrength® C859 impact modifier exhibits unsurpassed impact efficiency at room and low temperature. Clearstrength® C859 may advantageously replace Clearstrength® C223 in new formulations intended to develop higher performance products or to reduce costs through dosage optimization, especially under hot processing conditions.

In technical film formulation:



PRODUCT BENEFITS

In CPVC pipe formulation:



Color Stability and Processability

The unique structure of Clearstrength® C859 impact modifier makes it suitable to withstand severe processing conditions with minimal effect on heat stability and mechanical properties.

Surface Finish

Clearstrength® C859 impact modifier allows products to be created with a perfect quality surface, high level of gloss and Vicat.

SUGGESTIONS FOR USE

Clearstrength® C859 impact modifier is recommended for use in PVC and C-PVC pipes and fittings, high quality technical films, edgebands, and all applications requiring ultra high impact efficiency, especially at low temperatures.

Clearstrength® C859 impact modifier is commonly used in formulations for food contact or drinking water conduction. Dedicated information on regulatory status is available upon request.

Recommended loading levels depend on impact requirement. Prospective clients should evaluate Clearstrength® C859 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® C859 impact modifier is packaged in 18 kg bags (450 kg per pallet) and 450 kg bulk bags (450 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

$\overline{(}$	ລ			
		عر	1	

WEB SERVICES TDS SAMPLING



PRODUCT SELECTORS BROCHURES

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

