

Biostrength® 280

Transparent Impact Modifier

PRODUCT DESCRIPTION

Biostrength® 280 impact modifier is an acrylic core shell impact modifier designed to increase toughness of polylactic acid (PLA) while maintaining clarity.

TYPICAL PHYSICAL PROPERTIES*

Physical Form	Powder
Bulk Density	0.47 g/cc
Particle Size	15% Max on 50 Mesh
Percent Volatiles	1.0% Max

*Typical properties not to be construed as specifications

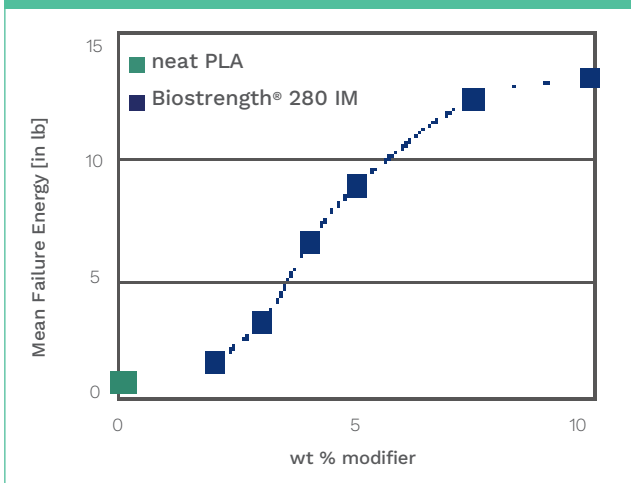
PRODUCT BENEFITS

Impact Improvement

Biostrength® 280 impact modifier increases impact strength of PLA extruded, calendered, blow molded, thermoformed and 3D printing articles.

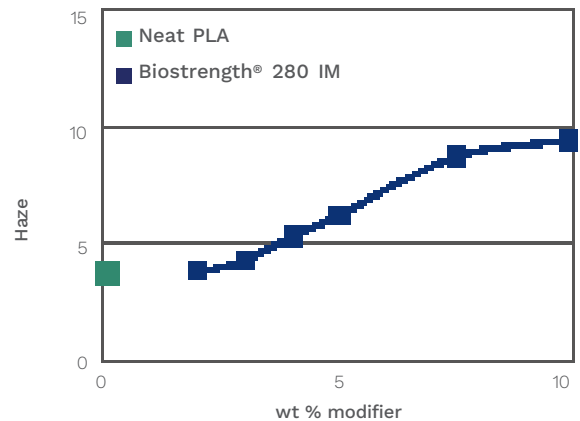
Biostrength® 280 impact modifier maintains low haze in PLA at recommended use levels.

Gardner Impact 15 mil sheet



PRODUCT BENEFITS

Haze 15 mil sheet



SUGGESTIONS FOR USE

Biostrength® 280 impact modifier is recommended for use in PLA applications that require toughness and high transparency. Typical use levels range from 2% to 6% by weight. Blends of Biostrength® 280 impact modifier with PLA can be processed in the same equipment and under the same processing conditions recommended for PLA.

Prospective clients should evaluate Biostrength® 280 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. The Technical Service Team can also provide the current clearances and limitations for use in food packaging applications.

PACKAGING

Biostrength® 280 impact modifier is packaged in 18 kg bags.

MASTERBATCH INFORMATION

Biostrength® 280 impact modifier can be supplied as a masterbatch in PLA. Contact your Arkema account manager for more information

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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