



# Biostrength<sup>®</sup> 282

## Transparent Impact Modifier

### PRODUCT DESCRIPTION

Biostrength<sup>®</sup> 282 impact modifier is an acrylic core shell impact modifier in pellet form, designed to increase toughness of polylactic acid (PLA) while maintaining clarity.

### TYPICAL PHYSICAL PROPERTIES

Physical Form	Pellet
Specific Gravity	1.02
Color	White

### PRODUCT BENEFITS

#### Impact Improvement

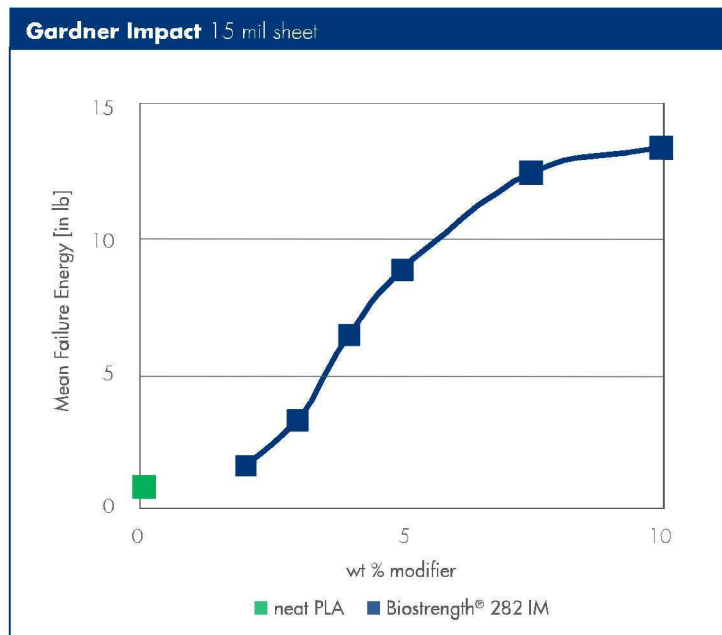
Biostrength<sup>®</sup> 282 impact modifier increases impact strength of PLA extruded, calendered, blow molded and thermoformed articles.

#### Optical Properties

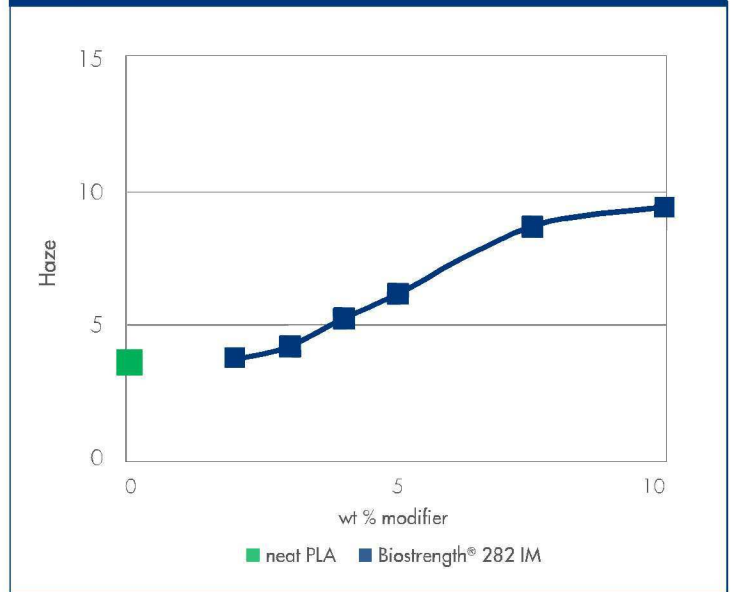
Biostrength<sup>®</sup> 282 impact modifier maintains low haze in PLA at recommended use levels.

#### Ease of Handling

Biostrength<sup>®</sup> 282 impact modifier is provided in pellet form for easy handling and incorporation.



**Haze 1.5 mil sheet**



### SUGGESTIONS FOR USE

Biostrength<sup>®</sup> 282 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<sup>®</sup> 282 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<sup>®</sup> 282 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<sup>®</sup> 282 impact modifier is packaged in 20 kg bags.

### MASTERBATCH INFORMATION

Biostrength<sup>®</sup> 282 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 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](http://www.arkema.com) or upon request at our Customer Service Department at +1 (800) 331 7654 in the US, and at +33 (0)1 4900 8837 in Europe. 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

The 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.

### Vikoflex® Epoxy Plasticizers

The Vikoflex® line of epoxy plasticizers is derived from renewable resources, like epoxidized linseed oil, soybean and tall oil fatty acid esters for applications such as PVC plasticization, acid and mercaptan scavenging, specialty coatings, adhesives & urethanes, reactive diluents, PU flexible foam and intermediates for surfactants and lube & fuel additives.

PATENT NOTICE: Biostrength® 282 acrylic impact modifier is a product of Arkema Inc. The use of Biostrength® 282 acrylic impact modifier may be protected under U.S. patent No. 8,524,832 and/or corresponding foreign patents.

## FOR MORE INFORMATION CONTACT

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