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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Form</td>
<td>Powder</td>
</tr>
<tr>
<td>Bulk Density</td>
<td>0.47 g/cc</td>
</tr>
<tr>
<td>Particle Size</td>
<td>1.5% Max on 50 Mesh</td>
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<tr>
<td>Percent Volatiles</td>
<td>1.0% Max</td>
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</tbody>
</table>

PRODUCT BENEFITS

Impact Improvement
Biostrength® 280 impact modifier increases impact strength of PLA extruded, calendered, blow molded and thermoformed articles.

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

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 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 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 additions 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 compounding 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/opacity combination in PVC and Engineering Resins.

Biostrong® Additives

The Biostrong® product line of impact modifiers, melt strengtheners and metal release agents are designed to improve properties and enhance processability of polymeric acid (PLA) and other biopolymers compounds.

Vitoflex® Epoxy Plasticizers

The Vitoflex® 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 plastification, acid and mercaptan scavenging, specialty coatings, adhesives & urethanes, reactive diluents, PU flexible foam and intermediates for surfactants and lube & fuel additives.

PATENT NOTICE: Biostrong® 280 acrylic impact modifier is a product of Arkema Inc. The use of Biostrong® 280 acrylic impact modifier may be protected under U.S. patent No. 9,524,832 and/or corresponding foreign patents.

FOR MORE INFORMATION CONTACT

Please contact your local account manager or our headquarters.

In Europe:
Arkema Functional Additives
420 Rue d'Estienne d'Orves
92705 CÔTE D'AZUR, France
tel: +33 (0)1 4900 8837
functionaladditives.internet@arkema.com (email)

In US:
Arkema Inc.
Functional Additives Customer Service
900 First Avenue, King of Prussia, PA 19406-1308
Tel:+1 (800) 331 7654
Fax:+1 (800) 205 7064
arkema.usph-ats@arkema.com (email)

In Asia:
Arkema Pte Ltd.
10, Science Park Road, #01-01A, The Alpha
Singapore Science Park II, Singapore 117684
Tel:+65 6419 9199
functionaladditives.internet@arkema.com (email)

VISIT US AT OUR WEBSITE
www.additives.arkema.com

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