

BIOSTRENGTH®

TDS/TECHNICAL DATA SHEET

Biostrength® 150 Opaque Impact Modifier

PRODUCT DESCRIPTION

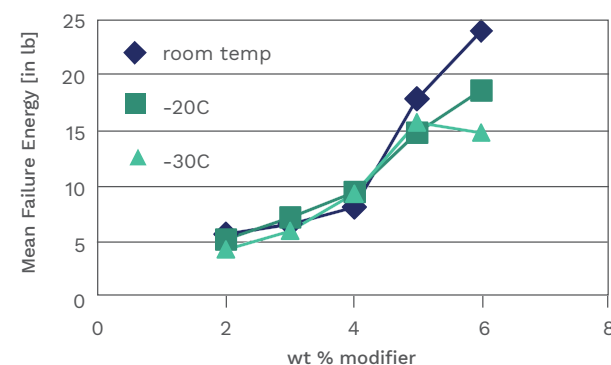
Biostrength® 150 impact modifier is a core shell impact modifier designed to increase toughness of polylactic acid (PLA).

TYPICAL PHYSICAL PROPERTIES

| | |
|-------------------|-------------------|
| Physical Form | White Powder |
| Specific Gravity | 1.0 |
| Bulk Density | 0.45 g/cc |
| Particle Size | 2% Max on 18 Mesh |
| Percent Volatiles | 1.0% Max |

PRODUCT BENEFITS

Gardner Impact 20 mil molded disk



PRODUCT BENEFITS

Impact Improvement

Biostrength® 150 impact modifier is a high efficiency modifier that increases impact strength of PLA for use in sheet extrusion, calendaring, injection molding, thermoforming and 3D printing.

Low Temperature Impact

Biostrength® 150 impact modifier retains high impact properties at low temperatures.

SUGGESTIONS FOR USE

Biostrength® 150 impact modifier is recommended for use in PLA for opaque applications or applications that do not require high transparency. Typical use levels range from 2% to 15% by weight. Blends of Biostrength® 150 impact modifier and PLA can be processed in the same equipment and under the same processing conditions recommended for PLA. Prospective clients should evaluate Biostrength® 150 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.

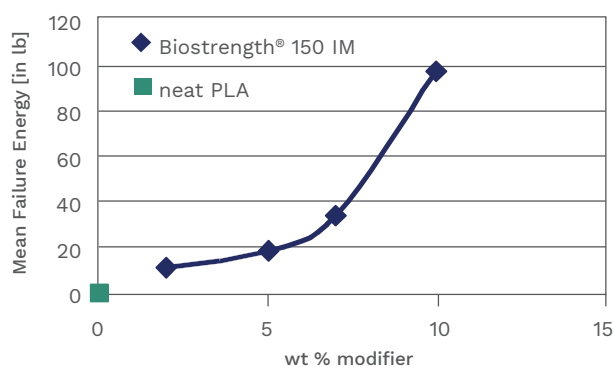
PACKAGING

Biostrength® 150 impact modifier is packaged in 40 lb (18 kg) bags.

MASTERBATCH INFORMATION

Biostrength® 150 impact modifier can be supplied as a masterbatch in PLA. Contact your Arkema account manager for more information.

Gardner Impact 40 mil molded disk



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



WEB SERVICES
TDS
SAMPLING



PRODUCT
SELECTORS
BROCHURES

Clearstrength® and Plastistrength® are registered trademarks of Arkema. Biostrength® and Durastrength® are registered trademarks of Arkema Inc. Responsible Care® is a registered trademark of the American Chemistry Council Inc. 2022 Arkema Inc. All rights reserved.

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

ARKEMA

plasticadditives.arkema.com