



# Biostrength® 700

## 溶融強度強化剤

### 製品特徴

Biostrength® 700は、溶融強度を改善し、ポリ酸(PLA)の加工性を高めます。

### 基本物性

物理的形態	白い粉末
比重	1.17
かさ密度	0.45 g/cc
粒子サイズ	2% Max on 40 Mesh
揮発性パーセンテージ	1.2% Max

### 製品の優位性

#### 光学特性

Biostrength® 700は、通常使用レベルでPLAを透過させます。

#### 溶融強度

Biostrength® 700は、PLAの溶融強度を高め、押出成形、カレンダー加工、フロー成形、真空成型、射出成形の製造条件の改善を行います。

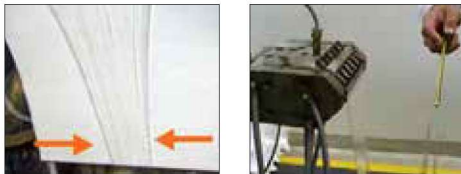
#### 溶融物のネッキングとたるみ

Biostrength® 700は、プロセス安定性とより高品質な製造が可能となり、PLA溶融時のたるみとネッキングを減少させます。

#### PLAの再研磨と乾燥不良

Biostrength® 700は、高レベルの再生ペレットのPLAを使用したり、またはPLAの乾燥が不十分の場合に、溶融強度の低下を補うために使用できます。

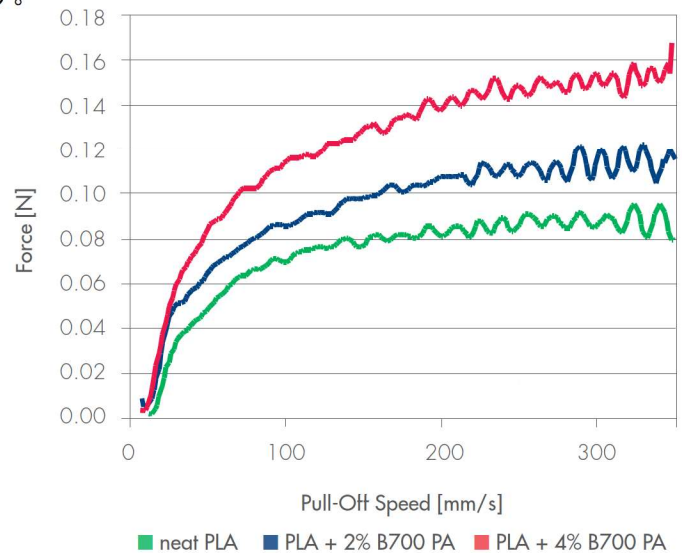
#### Neat PLA



#### PLA with 4% Biostrength® 700 PA



Thermogravimetric Analysis of PLA (170° C)



### ご使用にあたって

Biostrength® 700は、溶融強度とプロセスの容易性が望まれる用途での使用をお勧めします。一般的な使用量は、重量辺り1%から5%の範囲です。お客様のプロセスやアプリケーションで使用するための最適化を、自社の研究所でご評価する必要があります。

ARKEMAの技術的なサービスチームは、アプリケーションの要求を確認の上、必要に応じて、プロセスガイダンスのご提供やラボでの評価を提供致します。技術的なサービスチームは、食品包装用途で使用するための現在の取り決めや制限を共有致します。

### 包装

Biostrength® 700は、20kgの袋に梱包されています。

### マスターバッチ情報

Biostrength® 700は、PLAのマスターバッチとして提供できます。

詳細についてはARKEMAアカウントマネージャーにお問い合わせ下さい。

## 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® 700 acrylic copolymer is a product of Arkema Inc. The use of Biostrength® 700 acrylic copolymer may be protected under U.S. patent No. 7,666,946 and/or corresponding foreign patent.

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