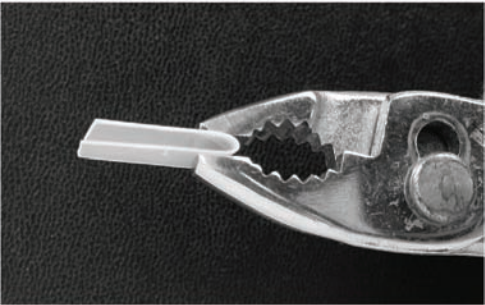


# DuPont™ Biomax® Strong

PLA TOUGHENING MODIFIER



**DuPont™ Biomax® Strong reduces PLA brittleness with as low as 2% wt addition.**

Splitting, cutting and slitting performance, and bending cast sheets improve significantly with just a small %-addition of Biomax® Strong.

## How to improve the performance of PLA packaging...

Bio-based and compostable packaging just got better! Biomax® Strong\*, an additive that improves the performance of bio-based and compostable polylactic acid (PLA) packaging, improves toughness and reduces brittleness — without sacrificing product clarity!

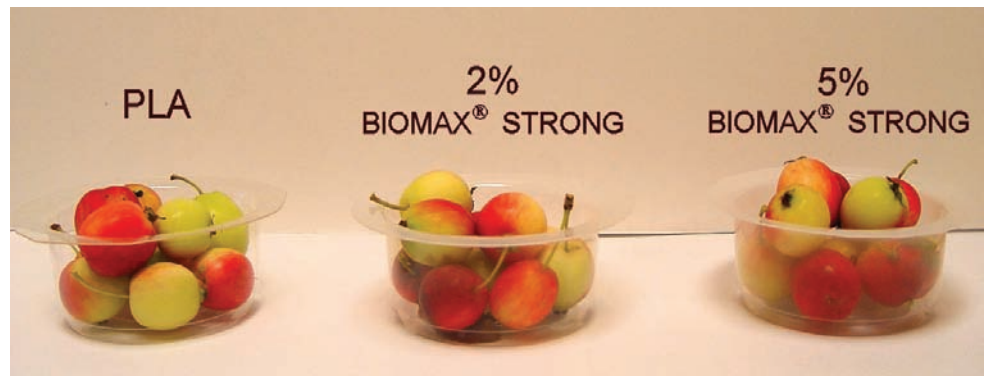
**...and still maintain environmental-friendliness !**

## Add Biomax® Strong modifier to your material composition...

Biomax® Strong is an ethylene copolymer designed to modify PLA and enhance its performance in packaging and industrial applications.

### Biomax® Strong Benefits

- Increases Toughness
- Reduces Brittleness
- Enhances Flexibility
- Improves Impact Strength
- Improves Viscosity Stability
- Improves Machineability and Cutting
- Shows Good Contact Clarity



Available in the following grade:

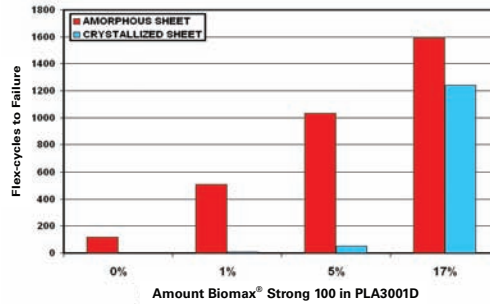
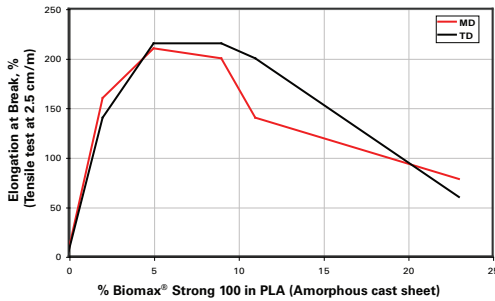
Biomax® Strong 120 — For food packaging applications

\*Patent Pending

## DuPont™ Biomax® Strong improves Impact Strength/ Toughness and Flexibility

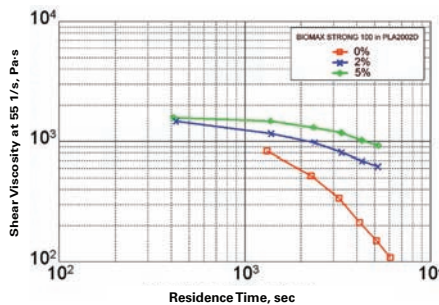
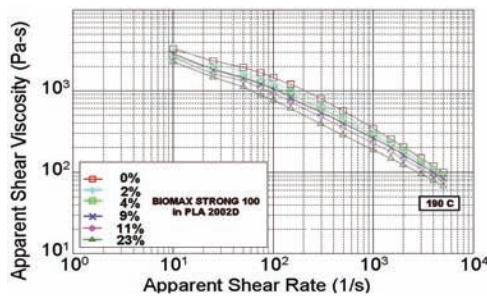
When repeatedly flexed, cast sheets modified with Biomax® Strong will withstand a significantly higher number of flex cycles.

Elongation at break is significantly increased with increased Biomax® Strong content up to a maximum that is reached at around 5–10 wt% addition rate.



## DuPont™ Biomax® Strong Improves Process Conditions of PLA

Viscosity behavior is maintained, and melt flow stability improves significantly, even at low addition levels.



## DuPont™ Biomax® Strong at Low Levels Only Marginally Reduces Clarity of PLA

Modified PLA 2002  
Amorphous Sheet Typical Haze

Internal haze, 15 mil thick sheet

Biomax® Strong in PLA 2002, wt%	Haze, %
0	5
1	25
2	45
5	70

For more information, please contact a representative in your region:

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