

Thermal	Nominal Values	Test Method (s)
Melting Point (DSC)	72°C (162°F)	ASTM D3418

Processing Information

General

Maximum Processing Temperature	280°C (536°F)
General Processing Information	Handling & Storage

Biomax® Strong 120 is supplied in polyethylene bag lined boxes or bags. The product does not require drying but the material should be handled in a way that minimizes moisture pick-up. For example reseal bags or box liners when partial bags or boxes are not being used.

Processing of blends of Biomax® Strong 120 and PLA

Blends of Biomax® Strong 120 and PLA can be processed in the same equipment and under the same processing conditions recommended for PLA

The melting point of Biomax® Strong 120 is 72C (162F) so a split feed extruder hopper will be required in cases where the PLA resin is dried on line and temperature of the hot dried PLA exceeds the melting point of the modifier.

Melt Viscosity and Melt Thermal Stability

Under typical processing conditions melt viscosity of PLA melt blends with Biomax® Strong 120 is not significantly different from that of unmodified PLA.

Melt Thermal stability of PLA is improved through addition BIOMAX® Strong 120 as it has been shown by extended hold-up time (up to two hours) in a capillary viscometer.

FDA Status Information

Biomax® Strong 120 resin modifier complies with U.S. Food and Drug Administration Regulation CFR 175.105 -- Adhesives. This Regulation describes adhesives that may be used as components of articles intended for use in packaging, transporting or holding food, subject to the limitations and requirements therein.

Biomax® Strong 120 resin modifier may be used at up to a level of 10% in polylactic acid (PLA) resin for direct food contact. The PLA resin containing Biomax® Strong 120 resin modifier is intended for contact with all food types under temperature conditions as severe as Condition of Use C as described in Table 2 of 21 CFR 176.170(c). Such use may be properly said to comply fully with the Federal Food, Drug and Cosmetic Act and all applicable food additive regulations

Regulatory Information

For information on the compliance of Biomax® Strong 120 with food contact regulations outside the U.S., please consult your local DuPont representative.

Safety & Handling

Refer to the MSDS for Biomax® Strong 120.

Read and Understand the Material Safety Data Sheet (MSDS) before using this product

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