

Bio-Flex[®] for Mulch Film Applications

Biodegradable and compostable resins for agricultural film applications



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Bio-Flex[®] – a green pioneer.

Bio-Flex[®] resins for mulch films are a unique combination of well-balanced biodegradable and bio-based raw materials.

These raw materials are combined and refined with our technology to produce biodegradable compounds which can be converted into mulch films for a wide range of agricultural crops in a variety of climate conditions.

Bio-Flex[®] F 1130 was the first mulch film based on PLA in the world.



Bio-Flex[®] gets to the point.

Starch based resins degrade much faster compared to Bio-Flex[®].

Hence, Bio-Flex[®] films have the advantage in that they do not biodegrade too quickly during their protective function on the surface of the fields.

In addition, Bio-Flex[®] films are less sensitive to moisture and variations in weather, thus making these films more durable.

Bio-Flex® – short facts:

- Compostability according to EN 13432, ASTM D 6400, NFU 52001
- Stable while in use, good disintegration in soil after ploughing under
- Cost-efficiency: no collection and disposal of the film, reduction of thickness
- Superior water resistance
- High strength and tear resistance
- High weed suppression
- Replacement of herbicides
- Water saving, control of irrigation
- Earliness of fruits due to increased soil temperature
- Wide range of applications for various crops and climate conditions

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