
Notice Regarding the Development of Biaxially Oriented Polypropylene Film Containing Polylactic Acid

Oji Holdings Corporation (President: Masatoshi Kaku, Head office: Chuo-ku, Tokyo) and Oji F-Tex Co., Ltd. (President: Katsuhiko Shimazaki, Head office: Tokyo), an affiliated company, are pleased to announce that it has developed an eco-friendly biaxially oriented polypropylene film containing plant-derived polylactic acid resin in polypropylene resin.

Biaxially oriented polypropylene film (hereinafter, OPP) is widely used as a plastic packaging material and, given rising interest in global warming and other environmental issues and SDGs, there is growing demand that plastic packaging materials incorporate environmental considerations. Moreover, the Resource Circulation Strategy for Plastics prepared by the Ministry of the Environment in May 2019 sets a goal of "introduction of approximately 2 million tons of biomass plastics by 2030."

The Oji Group successfully executed mass-production trial of OPP which can acquire biomass certification(*) without losing OPP's conventional features, such as strength and heat resistance. It has been developed by combining polylactic acid with polypropylene while utilizing raw resin mixing technology and advanced film-forming technology cultivated by its OPP manufacturing experience. By containing plant-derived polylactic acid, the volume of petroleum-derived polypropylene used can be reduced.

The Oji Group will continue making contributions to a sustainable society through the development of eco-friendly films, paper materials and, further, new wood-derived materials.

(*) Biomass Certification

Certification given to a product made of a component wholly or partially derived from biomass.

Currently, an application is being filed with the Japan Organics Recycling Association for certification as a Bio Mark product.



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