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Mitsui Chemicals, Inc.

Prime Polymer Co., Ltd.

Mitsui Chemicals and Prime Polymer Acquired ISCC PLUS certification

Toward Expanding Social Implementation of Renewable Products Using a Mass Balance Method

Mitsui Chemical and Prime Polymer announced that their two companies have acquired ISCC PLUS certification, one of the international certification systems for sustainable products.

Accordingly, from the second half of fiscal 2021, Mitsui Chemicals and Prime Polymer will allocate derivative products made from bio-based hydrocarbons to be used in crackers in Osaka Works under a mass balance system based on a certification system, and begin sales of renewable chemicals and plastics. This is the first attempt in Japan to introduce bio-based hydrocarbons into crackers.

■ Products that can be deployed with ISCC PLUS certification

Company	Location	Items
Mitsui Chemicals	Osaka Works	Ethylene, Propylene, Benzene, Phenol Acetone, Ethylene oxide, Urea* ¹
Prime Polymer	Osaka Works	Polypropylene

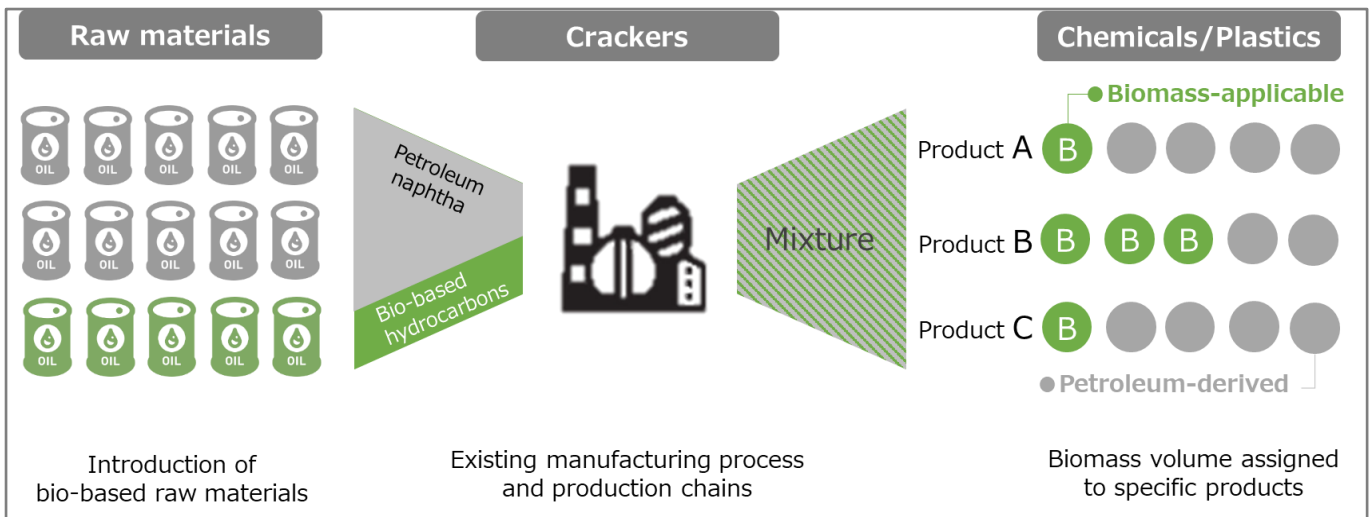
■ What is ISCC PLUS ?

ISCC PLUS is a sustainability certification program for biomass and recycled materials. This certification system is widely recognized as a certification system for management and security through the global supply chain. It is an effective certification system based on the mass balance method (material balance method), which promotes the biomass conversion of the supply chain in the chemical industry, which has particularly complex production processes.

■ Biomass certification by mass balance method

The mass balance method has already been applied in various industries such as paper and palm oil. By allocating a percentage of biomass raw materials to final products using a certified method, customers can choose to use biomass raw materials at their own discretion. This is an essential approach for the chemical industry, which has a complex raw material system, derivatives, and complex supply chains, to contribute to society becoming carbon neutral.

(Mass balance system)



■ Toward the Realization of a Circular Economy

The Mitsui Chemicals Group is working to realize carbon neutral and circular economy. Bio-based production, which contributes to global warming countermeasures, is an important strategic issue for achieving carbon neutrality in 2050, and we will promote the implementation of bio-based chemicals and plastics into society through the development of materials and processes and dialogue with stakeholders.

Mitsui Chemicals and Prime Polymer promise and declare that we will complete with ISCC PLUS requirements in compliance with the latest ISCC regulations.

*1) Urea is currently under review (as of April 2022).