

March, 8, 2012
Japan Polypropylene Corporation

Licensing Polypropylene Manufacturing Process Technology, "HORIZONE", with In-Line compound process to IRPC in Thailand

Japan Polypropylene Corporation ("JPP"; Head office: Minato-ku, Tokyo; President: Aiji Mizuno) has signed an agreement with IRPC Public Company Limited (IRPC) to license its polypropylene (PP) manufacturing process technology, "HORIZONE", with In-Line compound process technology. IRPC is a producer of integrated petrochemical products whose complex consists of an upstream, an oil refinery unit and a downstream petrochemical production in Thailand. This licensed technology will be introduced to a new 100,000 MTA PP plant of IRPC.

The HORIZONE process technology has a significant advantage of manufacturing impact copolymer (ICP), especially high rubber content ICP called reactor thermo plastic olefin (R-TPO). JPP's R-TPO product, "NEWCON™", manufactured by HORIZONE process technology is the most suitable for automotive applications such as bumper fascia and instrument panel and is also used globally as a raw material of PP compound (CP) products. The HORIZONE process technology has been, therefore, licensed to several PP manufacturers outside of Japan.

In addition, In-Line compound process technology is also licensed, which can manufacture CP products more efficiently and cost competitively by directly compounding rather than a conventional process by separately compounding from PP plant. This combined technology of HORIZONE and In-Line process has been proven in Japan and its products have been supplied to automotive industry by JPP. This is the first time for JPP to license this advanced technology in the world.

The capacity size, 100,000MTA of IRPC's new plant, is suitable to large size CP grades. So, JPP builds the relationship with IRPC to supply our large size CP products to our related company, Mytex Polymers (Thailand). JPP intends to expand our global supply system in order to supply our CP products to our customers in automotive segment in the growing market like southeast Asia.

Reference

1. Company profile of IRPC Public Company Limited

Head office: Bangkok, Thailand

Production capacity: Current PP production: 475,000 tons per year

Production site: Rayong Province, Thailand

2. Scope of license:
- 1) Technical Document Packages (Process Design Package, Know-how Manual and Operation Guide)
 - 2) Warranty on production capacity, product quality and productivities
 - 3) Warranty on patent