

NEWS RELEASE

Teijin to Establish Third Production Line for LIELSORT® Separators for Lithium Ion Secondary Batteries

Tokyo, Japan, February 6 2018 --- Teijin Limited announced today that it will establish a third production line for LIELSORT®, its innovative separator for lithium ion secondary batteries (LIBs) at a manufacturing company in South Korea. Teijin will begin operating the line this summer to meet an increasing market demand for coated separators.

LIELSORT® is used widely in popular smartphones and tablets worldwide. By adding the third production line and improving processes on existing lines, Teijin will increase its current LIELSORT® production capacity by 70 percent. The new line will also help to accelerate Teijin's development of an advanced version of LIELSORT® that is expected to offer higher heat resistance and adhesion for automotive uses.

Teijin leveraged its expertise in polymeric chemistry to develop the world's first process for simultaneously coating both sides of separators. It also developed a high-speed coating process that is five times faster than conventional coating. Both technologies enable more efficient production. MIRAIM®, a high-performance microporous membrane that Teijin introduced in 2015, combines advanced coating and multi-stratification technologies in a high-precision thin-film uniform-pore-diameter membrane that is made of polyethylene. Teijin expects combined sales of LIELSORT® separators and MIRAIM® membranes to reach JPY 20 billion (approximately USD 180 million) by 2020.

Teijin produces two types of LIELSORT® separators. One is a polyethylene-based material coated with Teijinconex®, a highly heat-resistant meta-aramid, and the other is coated with a highly electrode-adhesive, oxidation-resistant fluorine-based compound. Teijin Lielsort Korea Co., Ltd., a wholly owned subsidiary of Teijin, produces both LIELSORT® separators.

About the Teijin Group

Teijin (TSE: 3401) is a technology-driven global group offering advanced solutions in the areas of environmental value; safety, security and disaster mitigation; and demographic change and increased health consciousness. Its main fields of operation are high-performance fibers such as aramid, carbon fibers & composites, healthcare, films, resin & plastic processing, polyester fibers, products converting and IT. The group has some 170 companies and around 19,000 employees spread out over 20 countries worldwide. It posted consolidated sales of JPY 741.3 billion (USD 6.5 billion) and total assets of JPY 964.1 billion (USD 8.5 billion) in the fiscal year ending March 31, 2017.

Press Contact

Corporate Communications

Teijin Limited

+81 3 3506 4055