

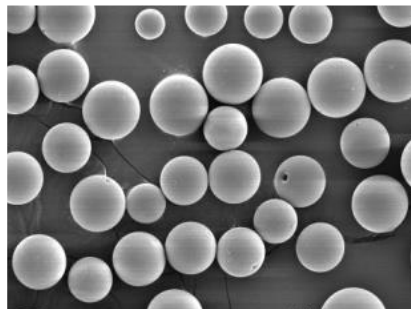
November 15, 2021
Japan Material Technologies Corporation

JMTC concludes patent license agreement with Toray on resin fine particle production technology

Japan Material Technologies Corporation (Head Office: Tokyo; President and CEO: Koyu Urata; "JMTC") has signed a patent license agreement ("the agreement") with Toray Industries, Inc. (Head Office: Tokyo; President and CEO: Akihiro Nikkaku; "Toray") regarding its manufacturing technology for resin fine particles.

The technology covered by the agreement is a resin fine particle manufacturing technology ("the technology") originally developed by Toray. The technology is capable of producing fine particles of various resins including general-purpose resins, but is particularly unique in its ability to produce fine particles of super engineering plastics such as PES (polyethersulfone), PEI (polyetherimide), PAR (polyarylate) and PAI (polyamide-imide). The agreement is exclusive in Japan and non-exclusive for overseas.

<Polyethersulfone (PES) resin fine particles produced by the technology>



Resin particles are used to modify and improve various materials by utilizing their structure and specific surface area. However, it has not been easy to produce fine particles of super engineering plastics, which have been in increasing demand in recent years for thermal management applications. The technology makes it possible to manufacture super engineering plastic particles on an industrial scale, and JMTC will use the license acquired through the agreement to supply resin fine particles mainly to electronic material manufacturers in order to commercialize the technology as soon as possible.

JMTC has been working on the industrialization of functional materials that could lead to the development of innovative electronic materials, such as special monomers and inorganic fillers. JMTC will continue to actively work on the commercialization of unique functional materials to contribute to technological innovation in the electronics field.

As a fabless functional materials manufacturer, JMTC is working on the commercialization of innovative technologies developed by domestic companies, universities and research institutes through licensing out and carve-out. JMTC will continue to contribute to the creation of innovation in Japan's materials industry by promoting the commercialization of unused technologies developed by companies.