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/ Shandong Chambroad Sinopoly New Materials Co., Ltd selected LyondellBasell's Spheripol and Spherizone technology

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October 08, 2019

ROTTERDAM, the Netherlands, October 8, 2019 – LyondellBasell (NYSE: LYB), the world's largest licensor of polyolefin technologies, today announced that Shandong Chambroad Sinopoly New Materials Co., Ltd., has selected LyondellBasell's leading polypropylene technology for a new world scale facility.

The facility will include a 400 KTA polypropylene plant using LyondellBasell's *Spheripol* technology as well as a 200 KTA polypropylene plant using LyondellBasell's *Spherizone* technology. The facility will be built in Binzhou City, Shandong Province, P.R. China.

"We are delighted about Shandong Chambroad's decision to use LyondellBasell's polypropylene technology for their Binzhou City facility. LyondellBasell's polypropylene technology is the most widely used process in the world and is very well established in the market," said Jim Seward, senior vice president of research and development, technology and sustainability at LyondellBasell. "Customers appreciate the simplicity and robustness of the *Spheripol* process and also value the ability to produce outstanding polymer grades on a benchmark cost basis with the *Spherizone* technology."

Mr. Luan Bo, President of Shandong Chambroad Sinopoly New Materials Co., Ltd stated: "The selection of LyondellBasell's polypropylene allows us to serve the market place at its best as we will be in a position to deliver cost effective recognized bulk polymers through the *Spheripol* technology and to supply differentiated high margin polymer products through the *Spherizone* technology allowing our organisation to grow on a solid basis."

The *Spherizone* multi-zone circulating reactor (MZCR) provides a unique and innovative platform to manufacture polypropylene products with novel architecture and enhanced product properties. With this award, more than 15 *Spherizone* plants have been licensed in Asia.

Spheripol is the leading PP process with more than 25 million tons of licensed capacity. The latest fifth generation *Spheripol* technology includes process improvements that further maximize operational efficiency.

Both plants will commence operations using LyondellBasell's Avant ZN catalyst.

New licensees can take advantage of LyondellBasell's in-house expertise of continuous production improvement, sustainable product development and catalyst know-how, by optionally joining our Technical Service program.

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- *Metocene* PP – Innovative add-on technology for the production of specialty polypropylene products using single-site catalyst systems
- *Avant* – Advanced Ziegler-Natta, including non-phthalate, chromium and metallocene catalysts for entire range of polyolefin production.

About LyondellBasell:

LyondellBasell (NYSE: LYB) is one of the largest plastics, chemicals and refining companies in the world. Driven by its employees around the globe, LyondellBasell produces materials and products that are key to advancing solutions to modern challenges like enhancing food safety through lightweight and flexible packaging, protecting the purity of water supplies through stronger and more versatile pipes, improving the safety, comfort and fuel efficiency of many of the cars and trucks on the road, and ensuring the safe and effective functionality in electronics and appliances. LyondellBasell sells products into more than 100 countries and is the world's largest producer of polymer compounds and the largest licensor of polyolefin technologies. In 2019, LyondellBasell was named to Fortune magazine's list of the "World's Most Admired Companies." More information about LyondellBasell can be found at www.LyondellBasell.com. SOURCE: LyondellBasell

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