



Repsol to invest 105 M€ to build the first UHMWPE plant in Spain

- Repsol plans to build the new ultra-high molecular weight polyethylene (UHMWPE) plant at its Industrial Site in Puertollano.
- The plant, scheduled to start up at the end of 2024, will have an annual manufacturing capacity of up to 15 kt.
- The plant will use DSM's technology, which will allow Repsol to become a UHMWPE producer with robust and proven technology.
- Considered a "super polymer," UHMWPE is a highly differentiated material with high tenacity, superior to steel, high impact resistance, and self-lubrication capacity.

The plant's commissioning is scheduled for end

2024

15,000^{t/y}

production capacity of UHMWPE

Repsol will build a new ultra-high molecular weight polyethylene (UHMWPE) plant in Puertollano. The plant will be the first on the Iberian Peninsula capable of manufacturing UHMWPE. It will use DSM's technology, the Netherlands-based UHMWPE long-time producer.

The construction of the new plant, which will have an annual capacity of 15 kt/y of UHMWPE, will entail an investment of 105 million euros. It is estimated to be operational by the end of 2024. This investment will allow Repsol to place an initial supply range of four grades in the market. These four grades will cover all molecular weights, with an average particle size of 150 microns produced in powder form. This broad range of molecular weights will meet the needs of the main applications such as Li-Ion battery separators, construction profiles, coatings, military and personal defense, and medical applications such as prostheses, implants, or dialysis filters.

Thus, Repsol advances in its commitment to offering new solutions to contribute to its clients' competitiveness, enhancing its product portfolio with this "super polymer," a highly differentiated material with toughness higher than steel, high impact resistance, and self-lubricating capability, among other properties.

Repsol further substantiates its intention to become a UHMWPE producer with robust and proven technology, such as DSM's, strengthened by Repsol's full integration from its ethylene production in its Puertollano industrial site to the commercialization worldwide of the UHMWPE powder.



About Repsol

Repsol is a global multi-energy company that is leading the energy transition with its ambition of achieving zero net emissions by 2050. Present throughout the energy value chain, the company employs 24,000 people worldwide and distributes its products in nearly 100 countries. Its customer-focused product and services portfolio meets all consumer needs to around 24 million customers, whether at home or on the move. Repsol is also a major player in the power and gas market in Spain with 1,4 million customers and a total low emissions generation capacity of 3.300 MW.

To achieve its goal of zero net emissions by 2050, Repsol is deploying an integrated model of decarbonization technologies based on improving efficiency, increasing low-emissions power generation capacity, producing low-carbon fuels, developing new customer solutions, the circular economy, and driving innovative projects to reduce the industry's carbon footprint.

Repsol has one of Europe's most efficient refining systems and has three large petrochemical facilities where differentiated products with high added value are developed. The company is transforming its seven industrial complexes in Spain, Portugal, and Peru into multi-energy hubs through state-of-the-art projects that will reduce their carbon footprint.

In Chemicals, Repsol is committed to greater efficiency in industrial processes aimed at the circular economy, with the goal of recycling the equivalent of 20% of its polyolefin production by 2030. Repsol has a [circular economy strategy since 2016](#) that it has applied throughout its value chain, from obtaining raw materials to the marketing of products and services.

Repsols' products are used to manufacture everyday objects that improve people's quality of life, well-being, and safety. Its wide variety of chemical products range from base petrochemicals to derivatives and include a wide range of polyolefins, all of which are 100% recyclable.

Supplementary graphic material and photographs to illustrate the information in the press release:



