



Repsol, one step closer to building a new UHMWPE plant

- Repsol has completed the conceptual engineering and approved the Front end Loading (FEL) phase.
- Considered a "super polymer," UHMWPE is a highly differentiated material, with high tenacity, superior to steel, high impact resistance and self-lubrication capacity.
- With this project, Repsol drives its growth and differentiation strategy forward.

The new range will consist of 4 grades that will cover all molecular weights

Repsol has completed the conceptual engineering phase of the new ultra-high molecular weight polyethylene (UHMWPE) plant that the company plans to build in Puertollano. The FEL will now begin, which will determine the investment required to build the plant, with a final decision to be made by the end of the year.

Last October, Repsol acquired DSM's technology license to build the first plant on the Iberian Peninsula capable of manufacturing UHMWPE at its industrial complex in Puertollano (Spain), with an annual production capacity of 15 kt.

Repsol's initial supply range will consist of 4 grades that cover all molecular weights allowing the company to meet the needs of the main applications such as high hardness plates for construction, profiles, coatings, fenders, and technical parts and battery separators for electric vehicles in the automotive industry.

In line with its commitment towards offering new solutions to contribute to its clients' competitiveness, Repsol increases its product portfolio by manufacturing this "super polymer," a product considered a priority to strengthen the ethylene chain.

With this new step in the engineering process, Repsol further substantiates its intention to become a UHMWPE producer with a robust and proven technology such as DSM's.



About Repsol

Repsol is a global multi-energy supplier that facilitates the transition towards an energy model with fewer emissions. It operates low-emission power generation assets and is developing several photovoltaic and wind renewable energy projects. Repsol has set the ambitious goal of being a net-zero emissions company by 2050 and has had a [circular economy strategy since 2016](#) that it has applied throughout the company's value chain, from obtaining raw materials to commercializing products and services.

Oriented towards the circular economy, the company's chemical business will also make a decisive contribution to a more decarbonized economy and is committed to the efficiency of its industrial chemical processes. Its products are used to make 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 100% recyclable. The company also has three large petrochemical facilities in Europe where differentiated products with high added value are developed.

Repsol has positioned itself as one of the petrochemical companies with the strongest commitments to sustainability and with one of the most extensive catalogs of circular products, ranging from polyolefins recovered through mechanical recycling processes to polyolefins, styrene, and other chemically recycled products.

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



