



Fibers

Polyethylene and
polypropylene

Repsol. A global multi-energy company

With over 8 decades of experience

It 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 of around 24 million customers, whether at home or on the move.

 Chemicals



LEED® Platinum certificate, awarded by the prestigious U.S. Green Building Council (USGBC), for new buildings construction

Chemicals

Over 95 Countries where we market our products

Added value

Repsol's Chemicals Division, with a high degree of integration, focuses its strategy on the constant generation of value through differentiated products and services. We are committed to our customers' global strategy putting our entire organization at their disposal to achieve a common goal: to create long-term relationships which enable us to rise to the common challenges our business presents.

Over 1,500 references

Repsol manufactures a wide variety of products, ranging from base petrochemicals to derivatives.

Base petrochemicals: ethylene, propylene, butadiene, and benzene.

Intermediate products: styrene, propylene oxide, polyether polyols, and propylene glycols.

Polyolefins: polypropylene (PP) and PP compounds, both high and low-density polyethylene (HDPE and LDPE), metallocene linear low density polyethylene (mLLDPE), ethylene vinyl acetate (EVA), and ethylene butyl acrylate (EBA) copolymers.

Over 100 scientists and researchers working for you

Repsol's commitment to R&D is evidence of the company's aim to attain business excellence to meet future horizons.



Working for
a more
sustainable
future

At Repsol, we believe in the circular economy, and we run specific projects that minimize the environmental impact of our materials. To this end, we are committed to making our industrial processes increasingly efficient and reducing the carbon footprint of our polymers.

We have a **specialized circular economy department** dedicated to recycling post-consumer materials to drive development of new materials offering solutions based on innovative polyolefins with recycled content.

We use **recycled plastics in critical applications**, creating new markets for plastic waste and driving circularity by giving that waste a new use. As a result, we offer a wide range of polyolefins with recycled content that deliver excellent engineering performance.

We have circular polyolefins obtained by incorporating pyrolysis oil, from chemically recycled plastic waste not suitable for mechanical recycling, together with virgin feedstock into our petrochemical process, reducing the consumption of non-renewable resources.

These circular polyolefins have the same properties and quality as virgin material and hold Food Contact Approval.

We have obtained ISCC PLUS certification for circular and traceable polyolefins that use plastic waste as raw material.

Moreover, our wide range of polyolefins is 100% recyclable.

Our ambition is **to recycle the equivalent of 20% of the polyolefins we produce** to support, in conjunction with the other initiatives in Repsol's circular economy strategy, the goal we announced in December 2019: to reach net zero emissions by 2050.

To contribute to the company's emissions neutrality goal, **our chemicals business has launched its 3030 Plan, intended to cut our carbon intensity by 30% by 2030.**

Advancing the circular economy and lowering carbon intensity in our chemicals business will contribute towards transforming Repsol's industrial operations, as well as **developing high-value-added raw materials, making it possible to manufacture an infinite number of products that improve human well-being, safety, and quality of life** while enhancing the environment.



Repsol Net Zero
Emissions by
2050



Polyethylene

Repsol Alcudia

Grade	MFI	Density	Polydispersity	Applications
	ISO 1133 g/10' 190 °C 2,16kg	ISO 1183 kg/m ³		
R4806HT	0.65	948	Narrow, very high tenacity.	Blown film for stretched raffia. High speed textile lines raffia for nets, and ropes.
R4805EP	0.55	948	Medium.	
M5206	0.60	952	Narrow, very high tenacity.	Monofilament for textile applications, nets, and ropes.
M5309	0.95	953	Medium tenacity, soft yarns.	

[Chemicals](#)   [Polypropylene](#)



Polypropylene - Technical Textiles

Repsol Isplen

Grade [*]	MFI	Key properties	Applications
	ISO 1133 g/10' 230 °C 2,16kg		
PP015G3E	0.8	Greater tenacity.	High tenacity strappings, thermoforming, profiles.
PP020G3E	1.0	High tenacity.	
PP030G1E	1.7	Good mechanical properties.	High tenacity raffia and monofilaments, extruded nets, twines, and ropes.
PP031G1E	2.2	Good balance of processability and properties.	
PP040G1E	3	Good balance of processability and properties.	Raffia textiles, monofilaments, and ropes.

* All our portfolio is phthalate free

Polyethylene   PP Nonwoven textiles



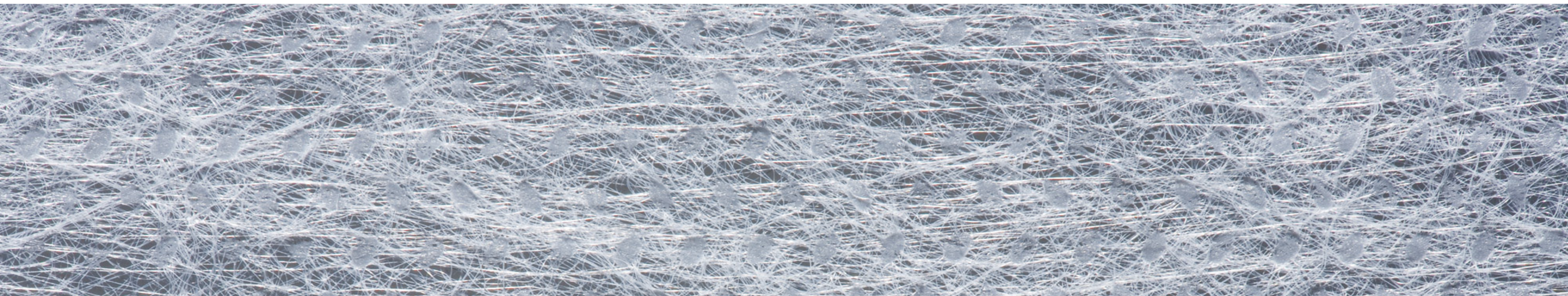
Polypropylene - Nonwoven Textiles

Repsol Isplen

Grade [*]	MFI	Key properties	Applications
	ISO 1133 g/10' 230 °C 2,16kg	Type Molecular Weight Distribution [MWD]	
PP051Y1E	4	Good mechanical properties, high tenacity fibers.	Raffia and monofilaments for general purposes. Very high tenacity staple fiber.
PP086Y3E	25	Narrow MWD, gas fading resistance.	Continuous filament high speed lines (BCF/CF), partially oriented yarn (POY), technical nonwoven and low tittle hygienic fabrics, spunbonded and staple fibers.
PP086U6E	25	Narrow MWD, UV light resistance, gas fading resistance.	
PP089Y1E	31	Narrow MWD, gas fading resistance.	Continuous filament high speed lines (BCF/CF), partially oriented yarn (POY), technical nonwoven and low tittle hygienic fabrics, spunbonded, and staple fibers.
NW080M4	800	Fine fibers, filtered, narrow MWD.	Melt blown, filtration, hygienic applications.
NW110M4	1100	Fine fibers, filtered, narrow MWD.	

* All our portfolio is phthalate-free

PP Technical Textiles 



Repsol's Values

Excellence is intrinsic to Repsol's values. It infuses our daily work and helps guide our decisions and actions, contributing to achieving the commitment to our customers, stakeholders, employees, suppliers/partners, and society to build a better future.

Safety is our priority

Petrochemical complexes, packaging facilities, and logistics centers all have ISO 45001 certification for their rigorous safety measures.

ISO 45001

Petrochemical plants, packaging production plants, and logistics

FSSC 22000

All industrial complex



Technical Data Sheets and MSDS are available on: www.repsol.com

Repsol supplies grades with excellent properties, specially designed for applications with stringent quality specifications.

Accountability

*Results
Orientation*

Collaboration

Intrapreneurship

*Inspiring
Leadership*



At Repsol, we understand that innovation goes beyond developing new solutions for your business, encompassing a constant and firm commitment to meeting our customers' needs.

Quality

All petrochemical plants are compliant with the current ISO 9001 standards, for the quality of processes from manufacture to distribution, transport management and end product warehousing.

ISO 9001

All petrochemical plants

Environment

We set up and deployed an ambitious CO₂ program reduction, called Plan3030, that pursues a 30% reduction in our carbon intensity indicator. Energy efficiency programs to reduce energy consumption and GHG emissions are critical elements of our strategy.

These programs pursue long-term targets that have been made public to facilitate their progress by the stakeholders. In this sense, Repsol Química is committed to reducing 0.26 million metric tons per year of GHG emissions in 2021-2025 Strategic Plan and 0.7 million metric tons per year reduction until 2030 with a roadmap to be a net-zero business sooner than 2050.

All petrochemical complexes have ISO 14001 certification for their environmental management and the reduction of the impact of their facilities, and ISO 14064 for the annual verification of greenhouse gas (GHG) emissions.

The chemical area of our complexes in Tarragona [2015], Puertollano [2013], and Sines [2016] has implemented an Energy Management System according to the requirements indicated in the International Standard ISO 50001. This system is dedicated to developing and implementing our organization's energy policy and managing the energy aspects of our activities, products, or services. The objective is to increase and improve our energy efficiency based on systems' implementation aimed at continuous energy performance improvement, thus contributing to more efficient and sustainable energy use.

Repsol aims to become a net-zero emissions company by 2050, and our 2021-2025 Strategic Plan enables us to continue successfully advancing our multi-energy commitment.

ISO 50001 / ISO 14001 / ISO 14064

Puertollano, Tarragona and Sines

December 2021



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