Market Study: Automotive Plastics - Europe



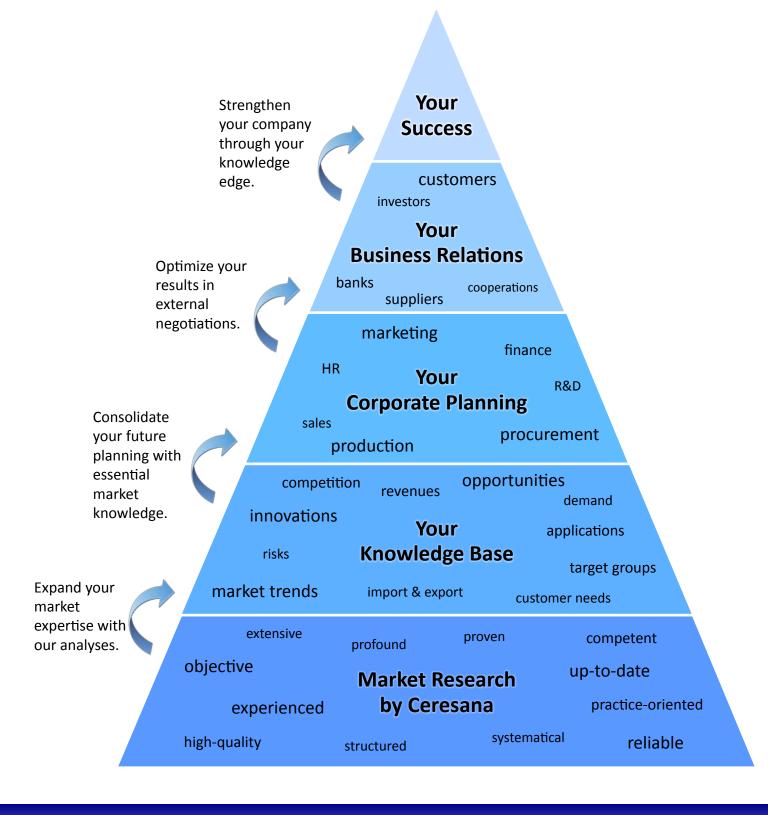




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This brochure provides further information on the study "Automotive Plastics - Europe"

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2 Market Data: Countries

(For each country: revenues, as well as demand split by applications, plastic types, and type of powertrain)

2.1 Europe

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3 Company Profiles*

3.1 Western Europe

Austria (1 Producer)

Belgium (1)

France (3)

Germany (3)

Italy (2)

Spain (1)

Switzerland (1)

The Netherlands (3)

3.2 Eastern Europe

Hungary (1)

Poland (2)

Russia (4)

Turkey (2)

3.3 North America

Mexico (1)

USA (10)

3.4 South America

Brazil (1)

3.5 Asia-Pacific

China (4)

India (2)

Indonesia (1)

Japan (12)

Malaysia (1)

South Korea (8)

Taiwan (3)

Thailand (1)

3.6 Middle East

Iran (2)

Kuwait (1)

Saudi Arabia (2)

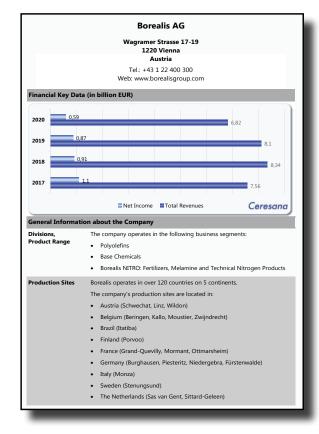
United Arab Emirates (1)

3.7 Africa

Egypt (1)

Nigeria (1)

South Africa (2)



USA (Rockport, NJ, Taylorsville, NC)

South Korea (Chenonan)

Profile Summary

Borealis was founded in 1994 and offers innovative solutions in the segments polyolefins, basic chemicals, and fertilizers. Currently, the company employs about 6,900 people all over the world. In 2020, R&D expenditure amounted to EUR 150 million and total assets were EUR 10.6 billion.

OMV, a Vienna, Austria, based oil and gas company, holds a 75% share of Borealis, the remaining 25% share are held by Mubadala Petroleum and Petrochemicals Holding Company LLC, based in Abu Dhabi, United Emirates. The company has two joint ventures: Borouge, a joint venture with Abu Dhabi National Oil Company (ADNOC) and Borealis Brasil S.A., a joint venture of Borealis (80%) and the Brazilian company Braskem (20%).

Split by business segments, 67% of sales in 2020 were generated with polyolefins, 13% with base chemicals, 16% with Borealis NITRO, and 4% with non-allocated segments.

Split by region, 70% of revenues in 2020 were generated in EU countries,

10.4% in Non-EU countries in Europe, 8.1% in the Middle East and Asia, 2.8% in the USA, and 8.7% in other countries.

In 2019, Borealis and Ecoplast increased the production capacity at plastics recycling facility in Wildon, Austria by 60%.

The company's quality, environmental, and safety management systems are certified according to ISO 9001, ISO 14001, OHSAS 18001, and ISO TS 16949 standards.

Specific Information about Automotive Plastic

Borealis offers PP solutions for automotive exterior, interior and under-the-bonnet applications, including bumpers, body panels, trims, dashboards, door claddings, climate control and cooling systems, air intake manifolds, and battery cases. The products are marketed under the brand names Daplen, Fibremod, and Borcycle

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^{*}Note: The profiles are assigned to the country in which the company or holding is headquartered. Profiles also include JVs and subsidiaries.

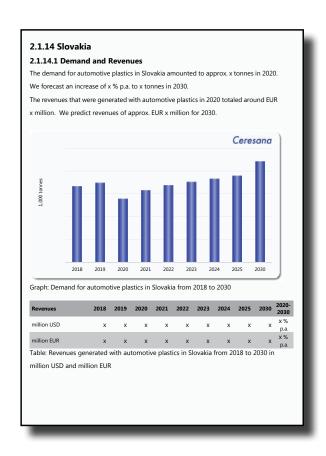
19 Countries, 78 Producers, 260 Pages, 25 Graphs, 102 Tables, 06/2021

Summary

Chapter 1 provides an overview of the **European market** for plastics used in passenger cars, including forecasts up to 2030. It provides data on **consumption** (broken down by individual types of plastic, application areas, and fuel types) as well as **revenues**.

Chapter 2 presents comprehensive market data for 19 individual countries in Europe, i.e. demand and revenues for each country. Demand is presented in detail for the different types of plastics (PP, PE, PUR, ABS, PA, PVC, PC, PMMA, and other plastics as an aggregate), areas of application (seats and upholstery, interior trim, dashboard, bumpers and lighting, exterior trim and panels, under the hood and fuel system, electrical & electronics and others). A distinction is also made according to the type of powertrain: internal combustion engine (ICE), battery electric drive (BEV) and plug-in hybrids (PHEV).

Chapter 3 features company profiles of the most important manufacturers of automotive plastics. This useful information is clearly arranged according to contact information, revenues, profit, product portfolio, production sites, and a profile summary. It provides 78 profiles of producers, such as Arkema, BASF, Borouge, Braskem, Covestro, DuPont, Kuraray, LG Chem, Lyondell-Basell, Sasol, SIBUR, and Solvay.



in 1,000 tonnes	2018	2019	2020	2021	2022	2023	2024	2025	2030	2020- 2030
Seats / Upholstery	x	х	х	х	×	х	х	х	х	x % p.a.
Interior Trim	x	х	х	×	x	х	x	х	х	x % p.a.
Dashboard	x	х	х	×	x	х	x	х	х	x % p.a.
E&E / Others	x	x	x	×	×	x	x	х	х	x % p.a.
Bumpers / Lighting	х	х	х	x	x	х	х	х	х	x % p.a.
Exterior Trim / Panels	х	х	х	х	х	х	х	×	х	x % p.a.
Under the Hood / Fuel System	x	×	×	x	x	×	×	×	x	x % p.a.
Total	x	x	x	x	x	x	x	x	х	x % p.a
Table: Demand for applications	2018	2019	2020	2021	2022	om 201	.8 to 2	2025	_	2020-
in 1,000 tonnes	2018	2019	2020	2021	2022		2024	2025	2030	2030
PP	х	х	х	х	х	х	х	×	х	x % p.a.
PE	х	х	х	х	х	х	х	х	х	x % p.a.
PUR	х	х	х	x	х	х	х	х	х	x % p.a.
ABS	х	х	х	х	х	х	х	х	х	x % p.a.
PA	х	х	х	x	х	х	х	х	х	x % p.a.
PVC	х	х	х	х	х	х	х	х	х	x % p.a.
PC	х	х	х	х	х	х	х	×	х	x % p.a.
РММА	х	х	х	х	х	х	х	х	х	x % p.a.
Others	х	х	х	х	х	х	х	×	х	x % p.a.
Total	x	x	x	x	x	x	x	x		х % р.а
Table: Demand for au types	utomoti	ive plas	tics in S	lovakia	from 2	018 to 2	2030 – 9	split by	produ	
in 1,000 tonnes	2018	2019	2020	2021	2022	2023	2024	2025	2030	2020- 2030
ICE	х	х	х	х	х	х	х	x	х	x % p.a.
BEV	х	х	х	x	х	х	х	x	х	x % p.a.
PHEV	х	х	х	х	х	х	х	х	х	x % p.a.
Total	x	x	x	x	x	x	x	х	x	x % p.a

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Bio-Economy

Automotive Coatings - World	Biobased Packaging - World
A C C DI C E	D' 1 (* 14/ 11

<u>Automotive Plastics - Europe</u>

<u>Bioplastics - World</u>

<u>Automotive Plastics - World</u>

<u>Polylactic Acid (PLA) - World</u>

Hybrid & Electric Cars - Europe Starch Based Plastics - World

Biocides - World Adhesives - Europe

Carbon Black - World Adhesives - World

<u>Chelating Agents - World</u> <u>Insulation Material - Europe</u>
<u>Fillers - Europe</u> <u>Insulation Material - World</u>

<u>Fillers - World</u> <u>Paints & Coatings - Europe</u>

Flame Retardants - World Paints & Coatings - World

<u>Pigments - World</u> <u>Plastic Extrusion - Europe</u>

<u>Plastic Additives - World</u> <u>Plastic Injection - Europe</u>

<u>Plastic Pipes - Europe</u>

<u>Solvents - World</u>

<u>Plastic Pipes - World</u>

<u>Stabilizers - World</u> <u>Plastic Windows - World</u>

<u>Surfactants - World</u> <u>Printing Inks - Europe</u>

<u>Titanium Dioxide (TiO2) - World</u> <u>Printing Inks - World</u>

Windows & Doors - Europe

Composites (CFRP & GFRP) - World

<u>Expandable Polystyrene (EPS) - World</u>
<u>Bags, Sacks & Pouches - Europe</u>

<u>Bags, Sacks & Pouches - World</u>

Masterbatches - World Corrugated Board & Solid Board - Europe

<u>Plastics - Europe</u>

<u>Plastics - World</u>

<u>Food Packaging - Europe</u>

<u>Polyethylene (HDPE) - World</u> <u>Labels - Europe</u>

<u>Polyethylene (LDPE) - World</u> <u>Plastic Caps & Closures - Europe</u>

Polyethylene (LLDPE) - World Plastic Caps & Closures - World

<u>Polypropylene - World</u> <u>Plastic Containers - Europe</u>

Polystyrene & EPS - World

Polyvinyl Chloride (PVC) - World

Plastic Films - Europe

Plastic Films - World

<u>Silicones - World</u> <u>Plastic Packaging for Cosmetics - Europe</u>

<u>Synthetic Rubber - World</u>
<u>Rigid Metal Packaging - Europe</u>

<u>Thermoplastic Elastomers (TPE) - World</u>
<u>Rigid Plastic Packaging - World</u>

