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Member of ORLEN Unipetrol Group

**EN** ENVITEN

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The **ORLEN Unipetrol** group is the biggest refinery and petrochemical company in the Czech Republic and the country's only crude oil processor. **ORLEN Unipetrol** is an indispensable part of Czech industry, and its specialization gives the group a unique position on the market. **ORLEN Unipetrol** is a significant producer and distributor of fuels, plastics, oils, lubricants, fertilisers and other products. The group also operates the biggest chain of filling stations in the Czech Republic under its ORLEN brand. In 2023, **ORLEN Unipetrol** has integrated into its group the **REMAQ** recycling company, a well-established and fast-growing Czech producer of high-quality recycled plastic granules from industrial and consumer waste.



# r-PE, r-PP ENVITEN®

**Enviten®** is a trademark of **ORLEN Unipetrol RPA** for r-PE and r-PP materials manufactured at Remaq.

## PRODUCTION FACILITIES

- ▶ **Production line A** – Erema 1714 TVE
- ▶ **Production line B** – Starlinger R125
- ▶ **Production line C** – Erema 1514 TVE
- ▶ **Production line D** – Coperion STS 96

Annual production volume is 40,000 t/year.

**Enviten®** can be stabilised by a mixture of additives, which prolong its service life in use.

## REMAQ CERTIFICATION

ISO 9001  
Certification



RecyClass





# r-PE, r-PP ENVITEN®

## STORAGE AND PACKAGING

r-PE, r-PP Enviten® is delivered in the form of pellets in homogenised batches.



### PACKAGING:

Material is stored in big bags with **weather protection hood**  
On **pallet**  
Weight is **1 050 kg**



### STORAGE:

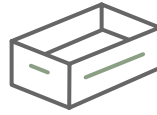
Stored in a **dry and ventilated roofed warehouse**  
Outside up **to 2 months**  
Recommended temperture range **-20 °C do +50 °C**



# r-PE, r-PP ENVITEN®

## APPLICATIONS

r-PE ENVITEN®



### Injection moulding

- ▶ Crates
- ▶ Pallets
- ▶ Constructions products
- ▶ Garden tools



### Extrusion

- ▶ Corrugated pipes
- ▶ Non-pressure pipes
- ▶ Sheets
- ▶ Profiles



### Blow moulding

- ▶ Containers up to 10 l
- ▶ Dimpled sheets

PP homo



### Injection moulding

- ▶ Household articles
- ▶ Tools
- ▶ Office supplies



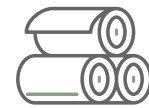
### Extrusion

- ▶ Tapes
- ▶ Profiles
- ▶ Sheets



### Compounding

- ▶ Automotive
- ▶ Construction



### Fibers

r-PP ENVITEN®



### Injection moulding

- ▶ Household articles
- ▶ Automotive
- ▶ Construction



### Extrusion

- ▶ Sheets
- ▶ Profiles
- ▶ Non-pressure pipes
- ▶ Automotive
- ▶ Packaging



### Compounding

- ▶ Automotive
- ▶ Construction





# r-PE, r-PP ENVITEN® CONTACTS

## BUSINESS UNIT POLYOLEFINS – SALES

**Domestic sales:** +420 476 165 719  
**Export sales:** +420 476 164 566  
**DACH sales:** +49 6103 2058 221  
petchemsales@orlenunipetrol.cz

## BUSINESS DEVELOPMENT UNIT

**Product manager:** +420 476 163 247  
+420 476 166 247  
polyolefin\_development@orlenunipetrol.cz

- ▶ Provision of basic information on use and technical specifications of the manufactured products
- ▶ Consultations regarding workability
- ▶ Participation in tests on the customer's site
- ▶ Analyses of samples are arranged to find the optimum solution
- ▶ Measurement and interpretation of flow behaviour of melted polymers
- ▶ Addressing customer's technical requirements
- ▶ Ordering external tests in test facilities
- ▶ Preparation of material specifications and other product documents
- ▶ Development and changes in the product portfolio

## ORLEN UNIPETROL RPA – POLYMER INSTITUTE BRNO, RESEARCH AND DEVELOPMENT CENTRE

- ▶ Structural analyses of polymer matrices
- ▶ Analyses of the chemical properties of plastics and composite materials
- ▶ Assessment of the stability of polymer during processing
- ▶ Determining the service life of a polymer matrix by means of accelerated aging methods
- ▶ Optimising stabilisation recipes and their components
- ▶ Identifying long-term mechanical properties by means of standard tests or alternative methods on test samples or product



Let's talk about it is a forum for sharing perspectives, exploring new ideas and having an authentic discussion about our future.

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