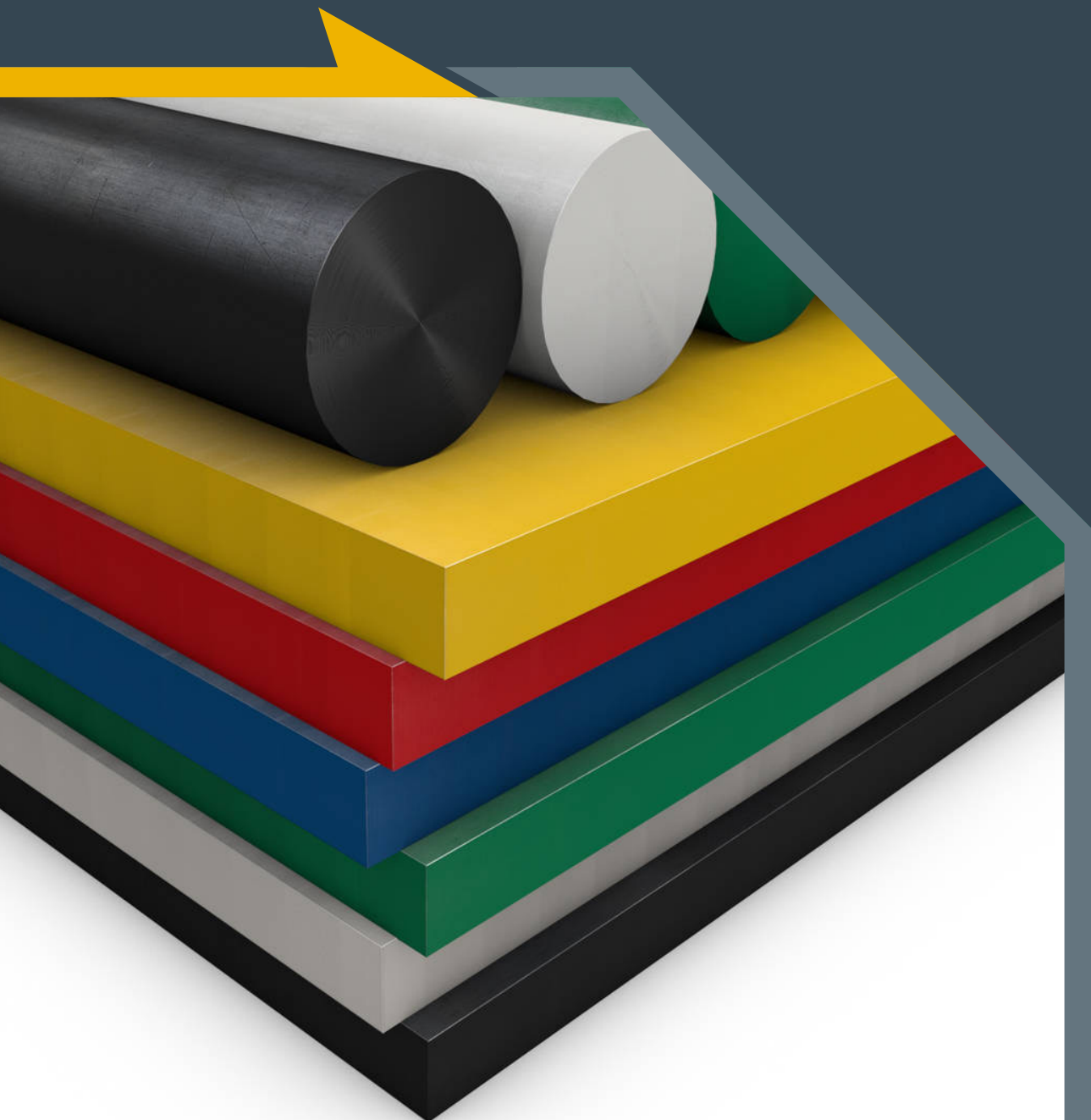




# TEXAM

design engineering

a part of the ENE Group



Engineered Plastics



## HMW-PE1000

PE1000 is an industrial plastic with exceptional wear and abrasion resistance. It also has a low coefficient of friction and high impact strength, making it ideal for various applications. In addition, UHMW PE1000 is corrosion-resistant and easy to process, offering both versatility and durability. Available from Stock in Blue, red and natural. Other colours available to order.

### Characteristics

- Very good wear resistance
- Low friction properties
- Excellent shock and impact absorption
- Good non-stick properties
- Approved under food law (EU and FDA)

### Applications

- Transport and conveyor technology
- Food industry
- Mechanical engineering
- Chemical industry

### Specifications

- Temp. Range °C - -250...80
- Fire Rating - UL94-HB
- Molecular weight of approx. 5 million g/mol

## HMW-PE500

PE500 is a versatile material that can be used for many applications, including in the food and packaging industry, where it's crucial to maintain optimal production standards. HMW PE500 is FDA-approved and food safe certified, ensuring that it meets the necessary requirements for use in contact with food. This makes it a reliable and safe option for a variety of food-related applications. Available from Stock in Blue, red and natural. Other colours available to order.

### Characteristics

- Good cut resistance
- Low Friction
- Good wear resistance
- Good non-stick properties
- Approved under food law (EU and FDA)

### Applications

- Food industry
- Meat cutting plant
- Mechanical engineering
- Chemical industry

### Specifications

- Temp. Range °C - -100...80
- Fire Rating - UL94-HB
- Molecular weight of approx. 500,000 g/mol



# Benefits per Industry Sectors

## Machine construction and Plant Engineering

- Energy Conservation and cost savings
- Low wear
- Low sliding friction



## Offshore and Harbour Construction

- Protection of surfaces
- High resistance to inclement weather
- Excellent energy absorption
- Large colour range for clear recognition



## Packaging and Food Industry

- Compliant with legal requirements for use in the food industry
- Protection of surfaces
- High wear resistance
- Large colour range for clear recognition



## Bottling and beverage industry

- Energy conservation
- Very low sliding friction
- No stick/slip effect
- Low Noise



## Electrical Industry – Atex standard

- Electrically dissipative
- Electrically Conductive
- ATEX certified
- Isolating



## Chemicals and paper industry

- Highly resistant to chemicals
- Extremely high abrasion resistance



### Transport and conveyor technology

- Energy Conservation
- Very low coefficient of friction
- No stick/slip effect
- Excellent acoustic insulation



### Load and Workpiece carrier

- High-quality plastics for the gentle transport of highly sensitive components
- Spark-free work thanks to dissipative and electrically conductive properties



### Agricultural technology and agricultural machinery

- Wear optimised for abrasive applications
- Shock absorbing as underbody (vehicle) protection
- Environmentally friendly
- Low net weight (in comparison with steel)



### Bulk goods and mining

- Protection of surfaces from abrasive material such as sand, coal and mineral ores
- Optimum slide support for the materials being backfilled
- Individual tailoring to the bulk goods in question



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