

QUALITY DIVERSITY AND GOOD COOPERATION

Engineering Plastics



for offshore and subsea



**Make a
change with
plastics**

From heavy metal
to engineering plastics





LEADING THE WAY



WHY CHOOSE PLASTICS?

Plastics can replace other materials in a variety of structures. Plastics can often replace metals thanks to their lower modulus of elasticity, high compressive strength and completely different way of absorbing stresses than metallic materials.

Astrup AS can supply plastic materials costing from as little as a few Euros per kg right up to High Performance Plastics.

Typical use

The term "plastics" covers a broad spectrum of types of materials with significantly different characteristics and areas of usage. Thermoplastic is often chosen for solutions that require exceptionally good characteristics in terms of:

- mechanical strength
- rigidity
- chemical stability
- ductility
- attractive appearance

In the offshore and subsea industries, tensile strength and toughness are particularly important. Materials must have high fatigue resistance, low friction and dimensional stability even at high temperatures.

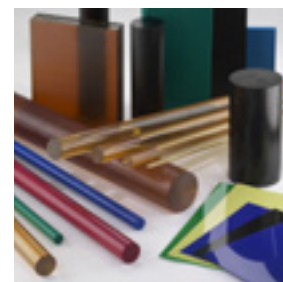
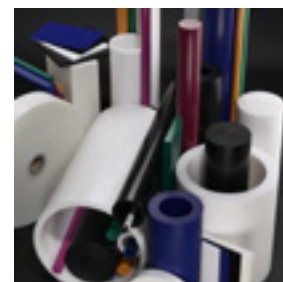
Corrosion due to continuous exposure to sea water is one of the offshore industry's worst enemies. Plastics can reduce maintenance requirements, both for floating installations and ones located on the sea bed. The right type of plastic will combine low weight, high strength and the ability to withstand high pressures.

Advantages of plastics over metals

- Non-corrosive
- Chemical resistance
- Low specific weight, from 0,9 to 2,2
- High mechanical strength relative to weight
- Good heat and electrical insulation
- Low friction against steel
- Dyed throughout
- Easy processing

We offer:

- Quality deliveries on time
- Competitive terms
- Continuous improvement
- Focus on HSSE culture
- Certificates and documentation



The Astrup web shop
– see what we have in stock



Foto: Øyvind Hagen, Statoil

A PIONEER WITHIN CONSTRUCTION MATERIALS

With more than 50 years of experience in Plastics.

Engineering Plastics a cost effective solution

For more than 50 years, Astrup has been spearheading development in the use of plastics for industrial use. Supporting our customer in reducing cost. Identify cost drivers, recommend deviations and alternative cost effective solutions.

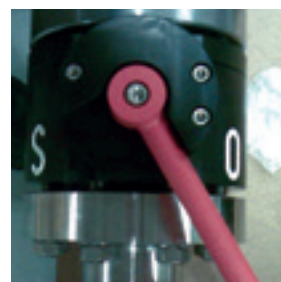
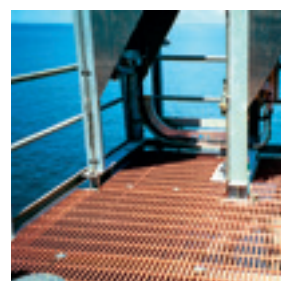
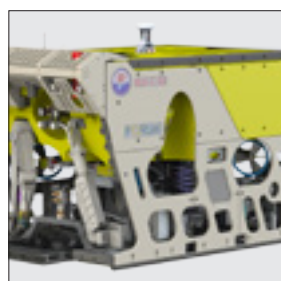
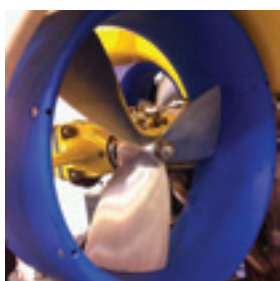
Cost reduction through technology simplification

Astrup has extensive experience in projects from the Asia-Pacific region to the North Sea, together with our global leading suppliers. Bringing together the experience of engineers and chemists, we have the expertise to tailor materials to suit our customers requirements.

Today we see an ongoing trend where Engineering Plastics is replacing metal components in a wide range of critical applications.

Typical applications

- Bushes
- Bearings
- Roller sheaves
- Wear pads
- Centralizers
- Pipe clamps
- ROV components
- Walkways





FUTURE INDUSTRIAL PARTNER

Contact your nearest sales office for complete delivery program and price quote.

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Astrup AS is certified in accordance to NS-EN ISO 9001
Astrup AS is a pre-qualified Achilles-supplier, Id 15580