

Engineering Plastic Products for the Offshore Industry



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TRENDS

Engineering plastics more and more replace metal components for a wide variety of critical applications in oil- and gas field exploration and production.

Proven to withstand extreme pressure, temperature ranges and hostile media, Quadrant's plastics deliver the highest reliability and safety.

KEY PROPERTIES

- High mechanical strength
- Resistance to a wide range of temperatures
- Good sliding properties and wear resistance
- Very good dimensional stability
- Corrosion and abrasion resistance
- Good chemical resistance
- Weight reduction

CUSTOMER BENEFITS

Our technical service and application development engineers based in all major locations help to get the full performance benefits and cost efficiency from our materials. We provide the platform for bringing your concept to the production line.



QUADRANT

You inspire ... we materialize®

MONOCAST®

Challenges: A lifting device installed on the top of a drilling platform is equipped with wire rope sheaves diameter 5000 mm which are composed of a welded steel hub with segments assembled between steel flanges.

Solution: MONOCAST GSM sheave segments are available in huge dimensions and they are friendly towards the rope which results in a much longer rope life.

Benefits: MONOCAST GSM offers an excellent wear resistance combined with a good UV resistance. No corrosion and low weight are further benefits of using this material for wire rope sheaves.

cable sheaves



ERTALON® 6 PLA

Challenges: Flexible pipes and cables are most prone to failure when attached to a fixed device such as sub sea riser base. Bending restrictors are designed to support, decouple load and prevent the flexible pipe from over bending.

Solution: ERTALON 6 PLA with its outstanding compressive strength provides a high quality, cost effective solution.

Benefits: ERTALON 6 PLA offers a good wear resistance resulting in less galling. The restrictors can be produced via custom casting technology and offer a good flexural strength. Different formulations available on request.

bending restrictors



Proven applications

Typical offshore applications include applications in pipeline systems (diabolo rollers, pipe supports, clamps), sub sea vehicles (track plates, wheel sprockets, impact strips), lifting equipment (sheaves, hook blocks, bearing pads) instrumentation (insulators, sensor protectors, guidance probes) and other general offshore equipment (balance sheaves, riser clamps, bushes)

Learn more online at
www.quadrantplastics.com

Quadrant has extensive product and machining resources available online. Our website is a portal to a wealth of technical data and the easiest way to engage our application specialists. Our team stands ready to help offer solutions to your toughest problems.

