

 **NYLACAST**
ENGINEERING PLASTIC SOLUTIONS



**ENGINEERING SOLUTIONS FOR THE CONSTRUCTION,
AGRICULTURE, QUARRYING & MINING INDUSTRY**

As specialists in the design and manufacture of engineering plastic solutions, Nylacast work closely with clients across the globe to deliver significant increases in product performance, safety and efficiency.

The inherent properties of Nylacast's engineering materials provide corrosion resistance, low friction coefficient and lightweight. These properties combined result in reduced and eliminated maintenance time and need coupled with improved productivity and lower whole life costs.

Nylacast offer a range of in-house design, testing and manufacturing services including:

- Full traceability from concept to end components
- Full material characterisation
- Testing to ASTM / ISO
- FEA, CAD, CAM
- Unique materials with custom formulation for specific requirements

Case study

Nylacast Wear Parts

In this application, the low friction wear pads allow the boom sections to telescope with ease. The key factor is the self-lubrication and lightweight of the Nylacast component. This delivers reduced (often eliminated) machine downtime and maintenance costs along with improved productivity through having overall lighter component weight.

Using Nylacast polymers in this application allow for a number of significant advantages. These include an increase in wear life, protection against corrosion and reduced maintenance, together with improved lifting capacity and overall machine efficiency with less power requirements.





Advantages of engineering plastic solutions:

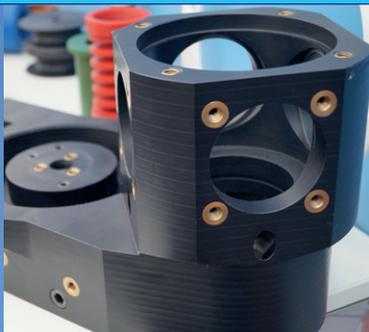
- High load capacity
- Exceptional resistance to wear & abrasion
- Corrosion & chemical resistance
- Self-lubrication
- Lightweight - typically 1/7th the weight of steel
- Low co-efficient of friction
- 25 times the life of phosphor bronze
- Material integration; metal inserts, coatings
- Elimination of cathodic protection requirements

Typical applications include:

- Wear parts
- Self-lubricating bushes
- Pipe clamps
- Rollers
- Outrigger feet
- Sheaves & pulleys
- Crane mats
- Custom components

 www.nylacast.com/construction

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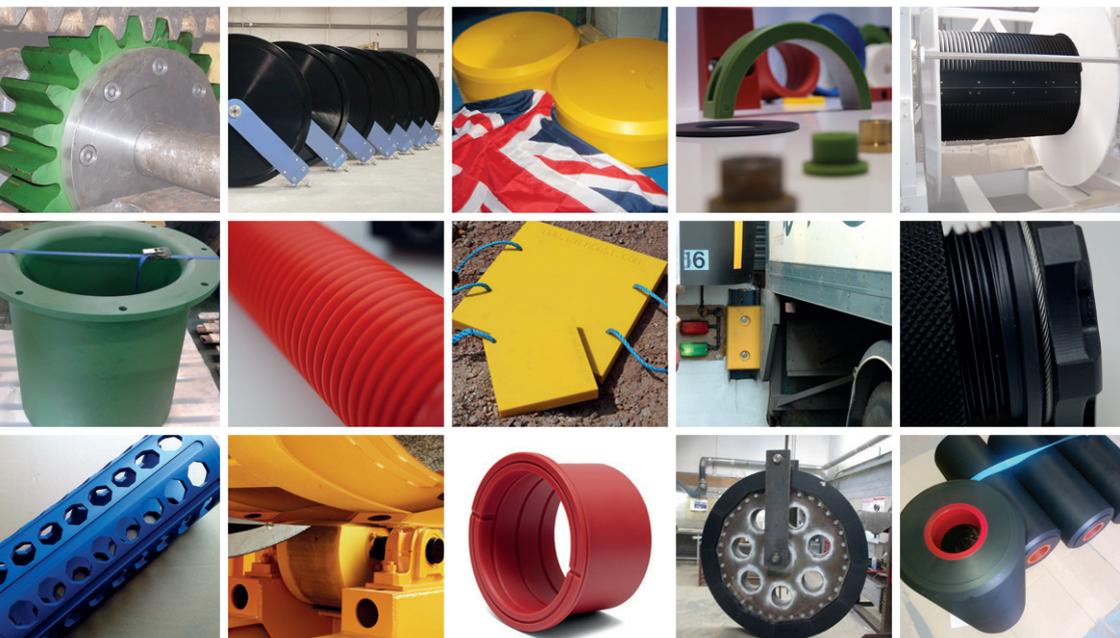


DISCOVER THE FULL RANGE OF NYLACAST ENGINEERING SOLUTIONS AND PRODUCTS



- | | | | |
|---------------------|---|---|---------------------|
| High Friction | — | — | Low Friction |
| Corrosion Receptive | — | — | Corrosion Resistant |
| Heavyweight | — | — | Lightweight |

Client Requirement Concept Design Analysis Manufacture



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