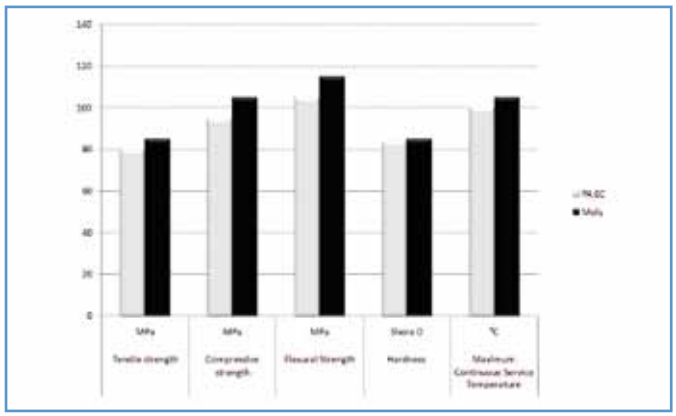
Nylacast Moly

Nylacast Moly is a cast nylon 6 material in which improved crystallisation occurs by the addition of occurs by the addition of Molybdenum Disulphide. On account of this the superficial hardness increases (providing excellent machine ability) and simultaneously the general mechanical and anti-friction properties are improved. Due to the fact that the crystal structure breaks down immediately before the melting temperature is reached, the thermal properties of the material are improved over the basic grade.

MoS2 provides a degree of self lubrication leading to an improvement in the wear properties of the material. These improved properties, combined with lower water absorption extend the range of applications that Moly has over Natural cast nylon. Dynamic bearing applications at elevated operating temperatures of up to 105 °C are particularly suited to this material.

Benefits of Nylacast Moly



- Increased superficial hardness provides excellent machine ability
- Improvement in wear properties as a result of dry lubricant
- Improved anti-friction properties
- Improved mechanical properties
- Elevated operating temperatures
- Lower water absorption
- Improved dimensional stability
- Excellent chemical resistance properties
- Good PV and load bearing capabilities
- Extended range of applications

Industry Users

- Aerospace
- Railways
- Ship building
- Food and food packaging s
- Steel mills
- Quarrying and mining
- Cranes
- Conveyor
- Offshore
- Agriculture
- Waste Management
- Construction

Typical Applications

- Sheaves
- Rollers
- Spacers
- Slide pads
- Chain sheaves
- Wear strips
- Spacer
- Wear pads
- Bearings
- Bush
- Chain Wheel
- Hose Clamp
- Wear plates
- Bespoke Components

Nylacast Moly is available as standard plate, rod and over thousands of tubes OD/ID configurations in four different lengths.

In addition cut piece derivatives, strips, billets, discs and rings up to 2.5 metres diameter as well as custom castings to specific designs are available

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