

Engineering Plastic Supplies Ltd

Application Example: Sprocket

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Application:

Sprockets for driving or guiding chains in vertical conveyors, helix chain conveyors, disc conveyors and bucket conveyors.

Material used:

Cast Nylon 6 (PA 6 G)

Oilamid® (PA 6 G + Oil)

Lubramid® (PA 6 G + solid lubricant)

Calamid 612® (PA 6/12 G with/without steel core)

Calamid 1200® (PA 12 G with/without steel core)

Advantages for this application:

Sprockets made of cast nylon have proven themselves in the field over the long term and are convincingly better than steel in a variety of ways. The most important advantages are:

- Quiet running
- High wear resistance
- High corrosion resistance to environmental conditions and chemicals
- Maintenance free
- Economical manufacturing in almost any size

There are also further advantages to cast nylon sprockets. Drive mechanisms fitted with these sprockets can often run without lubrication and have the highest safety even running dry. The lubricant filled nylons are the best for dry running. All grades of nylon absorb potential bearing damaging vibrations so that the life of the entire drive unit can be extended.