

Engineering Plastic Supplies Ltd

Application Example: Gears

Tel: 0113 255 0666 Fax: 0113 256 3992 Email: sales@engplas.co.uk Web: <http://www.engplas.co.uk>

Application:

Gears for general machinery and equipment, vehicle and gearbox construction, or transmissions of low power.

Material used:

Cast Nylon 6 (PA 6 G)

Oilamid® (PA 6 G + Oil)

Lubramid® (PA 6 G + solid lubricant)

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

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

Advantages for this application:

Gears 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 gears. Drive mechanisms fitted with these gears 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 can be extended.