

Engineering Plastic Supplies Ltd

Application Example: Gate Rollers

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Application:

Run and guide rollers for roll and sliding gates

Materials used:

Cast Nylon 6 (PA 6 G)

Calauamid® 612 (PA 6/12 G)

Calauamid® 1200 (PA 12 G)

Advantages for this application:

Rollers and idler wheels made of cast nylon 6 are being increasingly used in equipment and material flow systems. They are convincingly better than steel in a variety of ways.

The most important advantages are:

- Low weight and the resulting ease of handling
- Quiet running
- High corrosion resistance to environmental conditions and chemicals
- Economical manufacturing in almost any size
- Material specific elasticity, which ensures that any flat spots which develop under static load become quickly and reliably round again. In this way, vibration free running can be achieved after a very short distance.