



**ALLPLASTICS**  
ENGINEERING PTY LTD

## Oil Filled Nylon



Allplastics offers a new type of cast nylon produced by the addition of a special oil to the polymer structure. Laboratory tests have proven that this second generation oil filled product dramatically reduces friction in comparison to standard cast nylon.

### **Oil filled nylon offers the following benefits over standard nylon:**

- High degree of self lubrication
- Reduced coefficient of friction (up to 50%)
- Increased wear resistance (up to x10), due to less heat buildup
- Reduced heat buildup
- Reduced moisture absorption 5 % v 7 %
- Increased dimensional stability

**Temperature:** -40°C to +100°C, +160°C short term.

### **Applications:**

- Ideal for unlubricated, highly loaded and slow moving parts
- Ideal for machine parts where external lubrication is impossible
- Textile machinery components where pollution by external lubrication has to be avoided.

### **Availability:**

Colour: Green or yellow

Sheet Size (mm): 2000 x 1000.

Thickness (mm): 10 to 50.

Rod dia (mm): 20 to 500.

Tubes (mm): 80 up to 500