

Nylon Rods and Sheets

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | Materials & Stock

Nylon stock in rods, sheets and strips is a tough, self-lubricating engineering plastic used for gears, bushes, bearings, spacers and machined parts. It machines cleanly and wears well where strength and low friction matter.

Key Features

- Natural, black and coloured forms
- Rods from 6 to 100 mm diameter
- Sheets 3-50 mm thick
- Self-lubricating, wear resistant
- Machines with standard tooling

Typical Uses in the Workshop

- Machine gears, bushes and bearings
- Make spacers, slides and wear parts
- Build jigs and fixtures
- Insulate and protect assemblies

Safe Operation

1. Choose the right grade for the load
2. Machine with sharp tools and support
3. Drill and ream for press fits
4. Finish with fine files and paper
5. Keep the material dry - it absorbs water

SAFETY NOTES

- Nylon dust is fine - extract and mask
- Do not machine loose or unsupported stock
- Keep away from open flames - it melts and burns
- Wear eye protection when machining
- Store dry

Maintenance & Consumables

- Store rods upright, sheets flat
- Keep stock dry in sealed material racks
- Check for warping with humidity
- Keep offcuts for small parts
- Clean machining oil from surfaces

Specification & Buying Notes

Stock natural nylon rod in the diameters the projects use plus a sheet for machining. Higher grades (oil-filled) run smoother in bushes. Buy from plastics suppliers for consistent quality.