

TECHNICAL DATA SHEET

Nylon (PA6)

Material code: NYLON

Tough, high-heat engineering plastic with low friction. Used for gears, bearings, bushings and wear components.

COMPARATIVE PROPERTIES

Impact resistance		9/10
Chemical resistance		7/10
UV / weather resistance		4/10
Heat resistance		8/10
Machinability		6/10
Optical clarity		1/10

KEY FACTS

Max service temp	150 °C
Density	1.14 g/cm³
Weight class	Medium
Cost tier	Mid-Range
Food-safe grade available	Yes
Weldable	No

TYPICAL APPLICATIONS

- Gears
- Bearings
- Bushings
- Wear strips

This is a Technical Data Sheet, not a Safety Data Sheet (SDS). Property ratings are indicative comparative values for material selection only and are not guaranteed engineering figures — confirm critical properties against the manufacturer's data before design. For handling, storage and hazard information, refer to the manufacturer's SDS. Grades, colours and thicknesses vary; contact us to confirm suitability for your application.