

PET

Product Information



Our PET quality plastics

Alongside POM-C and PA6 casting, PET (or PET P) is one of the most widely-used technical plastics. Its excellent mechanical properties make it ideal for applications like precision mechanical components. PET offers high tensile strength and mechanical load-bearing capacity, stable hardness and good dimensional stability. Because of its low coefficient of friction, Comco PET is frequently used for components demanding high wear resistance such as wear parts, bearings, bushings, turntables or track rollers. PET is also suitable for applications in the food processing industry requiring high chemical resistance and low moisture absorption.

Applications of PET:

- PET is used for various types of gears, wear pads, guide rollers, bearings and components used in food processing.

Characteristics:

- Excellent mechanical properties
- High dimensional stability
- High chemical resistance
- Low moisture absorption
- Low thermal expansion

Sheets



| SHEETS PET | Thick- ness mm | Tolerance mm | Weight kg/item |
|---------------|----------------------|-----------------|-------------------|
| 610 × 1000 mm | 10 | +0.2 ~ +0.9 | 8.97 |
| | 12 | +0.3 ~ +1.5 | 10.76 |
| | 16 | +0.3 ~ +1.5 | 14.35 |
| | 20 | +0.3 ~ +1.5 | 17.93 |
| | 25 | +0.3 ~ +1.5 | 22.42 |
| | 30 | +0.3 ~ +1.5 | 26.90 |
| | 35 | +0.5 ~ +2.5 | 31.38 |
| | 40 | +0.5 ~ +2.5 | 35.87 |
| | 50 | +0.5 ~ +2.5 | 44.84 |
| | 60 | +0.5 ~ +3.5 | 53.80 |
| | 80 | +0.5 ~ +3.5 | 71.74 |
| | 100 | +0.5 ~ +5.5 | 89.67 |

Colours:

Natural (cream)

Other colours available on request

For other dimensions, please contact us directly.

Round Bars



| ROUND BARS PET | Ø mm | Tolerance mm | Weight kg/item | |
|-------------------|---------|-----------------|-------------------|-------------|
| | | | L = 1000 mm | L = 3000 mm |
| | 10 | +0.1 ~ +0.5 | 0.12 | 0.35 |
| | 12 | +0.1 ~ +0.7 | 0.17 | 0.50 |
| | 16 | +0.1 ~ +0.7 | 0.30 | 0.89 |
| | 20 | +0.1 ~ +0.7 | 0.46 | 1.38 |
| | 25 | +0.2 ~ +0.9 | 0.72 | 2.16 |
| | 30 | +0.2 ~ +0.9 | 1.04 | 3.12 |
| | 35 | +0.2 ~ +1.1 | 1.41 | 4.24 |
| | 40 | +0.2 ~ +1.1 | 1.85 | 5.54 |
| | 45 | +0.3 ~ +1.3 | 2.34 | 7.01 |
| | 50 | +0.3 ~ +1.3 | 2.88 | 8.65 |
| | 55 | +0.3 ~ +1.3 | 3.49 | 10.47 |
| | 60 | +0.3 ~ +1.6 | 4.15 | 12.46 |
| | 65 | +0.3 ~ +1.6 | 4.88 | 14.63 |
| | 70 | +0.3 ~ +1.6 | 5.65 | 16.96 |
| | 75 | +0.3 ~ +1.6 | 6.49 | 19.47 |
| | 80 | +0.4 ~ +2.0 | 7.39 | 22.16 |
| | 85 | +0.4 ~ +2.0 | 8.34 | 25.01 |
| | 90 | +0.5 ~ +2.2 | 9.35 | 28.04 |
| | 95 | +0.5 ~ +2.2 | 10.41 | 31.24 |
| | 100 | +0.6 ~ +2.5 | 11.54 | 34.62 |
| | 110 | +0.7 ~ +3.0 | 13.96 | 41.89 |
| | 120 | +0.8 ~ +3.5 | 16.62 | 49.85 |
| | 130 | +0.8 ~ +3.5 | 19.50 | 58.51 |
| | 140 | +0.9 ~ +3.8 | 22.62 | 67.85 |
| | 150 | +1.0 ~ +3.8 | 25.96 | 77.89 |
| | 160 | +1.1 ~ +4.2 | 29.54 | 88.62 |
| | 180 | +1.2 ~ +5.0 | 37.39 | 112.16 |
| | 200 | +1.3 ~ +5.5 | 46.16 | 138.47 |



PET-P is available in sheets, rods, blanks and finished parts manufactured according to your drawings. In addition, we supply individual solutions tailored to your specific technical requirements.

COMCOEPP

Engineering Plastic Products

We produce plastic stock shapes
and engineer tailor made solutions.



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