Premium Brand · NAGOMER · PA · NGM-AG12B

# Black Glass-Filled PA Sheet & Rod

## Product Specifications Table

**Engineering Plastic Sheet**

| Thickness (mm) | Width (mm) | Length (mm) | Weight (kg) |
|---|---|---|---|
| 8 | 620 | 1300 | 9.3 |
| 10 | 620 | 1300 | 11.4 |
| 12 | 620 | 1300 | 13.5 |
| 15 | 620 | 1300 | 16.6 |
| 20 | 620 | 1300 | 21.9 |
| 25 | 620 | 1300 | 27.2 |
| 30 | 620 | 1300 | 32.4 |
| 35 | 620 | 1300 | 37.7 |
| 40 | 620 | 1300 | 42.9 |
| 45 | 620 | 1300 | 48.4 |
| 50 | 620 | 1300 | 54.3 |
| 60 | 620 | 1300 | 65.3 |
| 70 | 620 | 1300 | 76.4 |
| 75 | 620 | 1300 | 80.0 |
| 80 | 620 | 1300 | 87.4 |
| 85 | 620 | 1300 | 91.6 |
| 90 | 620 | 1300 | 97.9 |
| 95 | 620 | 1300 | 102.1 |
| 100 | 620 | 1300 | 108.4 |

**Rod & Square Bar**

| Diameter (mm) | Width (mm) | Length (mm) | Weight (kg) |
|---|---|---|---|
| 15 | | 2020 | 0.5 |
| 20 | | 2020 | 0.9 |
| 25 | | 2020 | 1.3 |
| 30 | - | 2020 | 1.9 |
| 35 | - | 2020 | 2.6 |
| 40 | | 2020 | 3.4 |
| 45 | | 2020 | 4.3 |
| 50 | | 2020 | 5.4 |
| 60 | | 2020 | 8.0 |
| 70 | | 2020 | 10.9 |
| 75 | | 2020 | 11.8 |

| Diameter (mm) | Width (mm) | Length (mm) | Weight (kg) |
|---|---|---|---|
| 80 | | 2020 | 14.3 |
| 85 | | 2020 | 15.7 |
| 90 | - | 2020 | 17.9 |
| 95 | - | 2020 | 19.5 |
| 100 | - | 2020 | 22.0 |

## Product Introduction

**Product Introduction**

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|---|---|
| **20+ Years of Extrusion** | As a vertically integrated PEEK sheet manufacturer headquartered in Dongguan, China, with dual production bases in Dongguan and Jiangxi, NAGOMER breaks the monopoly in the extruded profiles market and is among the first domestic manufacturers to independently develop high-performance PEEK extrusion. |
| **Quality Control — End-to-End Inspection** | Every PEEK sheet passes through a rigorous multi-stage quality protocol before release to warehouse and dispatch. |
| **1. Incoming Material Inspection** | All raw materials undergo dual verification — both purchased resins and in-house modified compounds are independently tested before entering production. |
| **2. Process Quality Control (IPQC)** | Every production batch begins with first-piece milling verification for sheet materials — confirming dimensional accuracy and internal quality before full-scale extrusion. |
| **Core Process Advantages** | The NAGOMER difference starts with our proprietary thermal treatment technology. |
| **Specialised Annealing Process** | Unlike standard extrusion suppliers who ship material directly off the line, NAGOMER applies a dedicated, tightly controlled annealing process to sheet and bar materials — enhancing toughness and machining stability. |
| **Enhanced Toughness** | More isotropic microstructure with better impact resistance, fatigue life, and crack propagation resistance. |
| **Improved Machining Stability** | Reduces warping, internal cracking, and dimensional drift during CNC machining, delivering consistent precision parts. |