# gembird®

## 3DP-PETG1.75-01-GR
# Filament, PETG Grey, 1.75 mm, 1 kg

## VERSATILE & EASY TO USE

- Polyethylene terephthalate (PETG) is an amorphous thermoplastic of the polyester family
- Perfect combination of clarity and strength. The clarity of PETG approaches that of Acrylic and impact resistance is close to Polycarbonate
- Easy to print with a variety of 3D printers

## Features

- Very high strength filament
- Impact Resistant PETG is less brittle than acrylic, and is a lower cost alternative to polycarbonate.
- Chemical Resistant offers superior chemical resistance when compared with many other transparent plastics.
- Environmental friendly as it is considered 100% recyclable

- Very low shrinkage makes printing large flat surfaces a breeze

- Easily printed on any acrylic, glass, Kapton and other printing platform

## Specifications

Material: PETG, 1.75 mm diameter
Weight: 1 kg/spool (2.2 lbs)
Density at 240°C: 1.27 g/cm3
Melt Flow Index at g/10min, 200°C/ 5kg: 20
Melt Point: 220 260 °C
Heat-Deflection-Temperature at 0.455 MPa: 60 80 °C
Yield Strength at 5mm/min: 50 MPa
Impact Strength: 8.7 KJ/m2
Ensile Break: 120 %
Diameter: 1.75 ± 0.05 mm

## Packaging

| | |
|---|---|
| Q'ty in crtn, pcs | 8 |
| Crtn volume, CUM | 0.034 |
| Crtn weight, kgs | 11.19 |
| Individual package size LxWxH: | 210x210x90 mm |
| Carton size LxWxH: | 430x430x185 mm |
| Country of origin | CN |
| Barcode | 8716309090827 |
| Customs code | 3916909000 |

## System requirements

A 3D printer with 1.75 mm extruder of temperature around 240 °C, suitable for PETG filament

## Certificates