



### 3D Printing Filament

## TECHNICAL DATA SHEET - RYNO

Commercial name: MatterHackers PRO RYNO  
Raw material: PETG  
Designation: 3D printing applications  
Manufacturer: MatterHackers

### Material Specifications

PROPERTY	VALUE	TEST METHOD - ISO
Density	1.27gcm <sup>-3</sup>	ASTM D792
Glass Transition Temperature	80°C	ASTM D3418
Heat Deflection Temperature	71°C	ASTM D648 at 66 PSI
Tensile Strength at Yield	8010PSI	ASTM D638, Type IV
Tensile Elongation	10%	ASTM D638, Type IV
Flexural Modulus	603 KPSI	ASTM D790
Flexural Peak Stress	17.8 KPSI	ASTM D790
Notched Izod Impact	36Jm <sup>-1</sup>	ASTM D256

### Filament Specifications

PROPERTY	VALUE
Diameter 1.75mm	1.75 ± 0.05 mm
Diameter 2.85mm	2.85 ± 0.05 mm
Suggested print temperature	235°C - 255°C
Suggested print speed	30 - 150 mm/s
Suggested bed temperature	65°C

*Higher printing speeds may require higher nozzle temperatures.*