

Materialdatenblatt / Material Data Sheet

PA666 Filament 0,5kg, 1.75mm

German RepRap PA666 Filament is a strong, ductile and easy to print 3D printing grade based on PA666. It is a very ductile, strong polymer suitable for applications with use temperatures up to 125°C, offering excellent layer-to-layer adhesion, strength and toughness compared to other 3D printing materials.

Property Data

Properties	Typical Data	Units	Test Method
Melting temperature (10°C/min)	200	°C	ISO 11357-1/-3
Humidity absorption	2.8	%	Sim. to ISO 62
Density	1130	Kg/m ³ °C	80

Material Specific Properties

Properties	Typical Data	Units	Test Method
Tensile modulus (3D printed tensile bars) 45° - 45°	860	MPa	ISO 527-1/-2
Maximum tensile stress (3D printed tensile bars) 45° - 45°	37	MPa	ISO 527-1/-2
Elongation at break (3D printed tensile bars) 45° - 45°	110	%	ISO 527-1/-2

Advantages

- High resistance
- excellent layer-to-layer adhesion
- very ductile, strong polymer
- suitable for applications with use temperatures up to 125°C
- easy to print

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