



## Everfil™ PA6/66

**Everfil PA6/66 (Polyamide)** also called NYLON is a highly durable 3D printing filament for industrial applications.

It is a light-weight thermoplastic material with high rigidity, and has high resistance to heat and chemicals. Its high compatibility with machining and mechanical strength make it an excellent candidate for most industrial applications, especially in the automotive and aerospace sectors.

The material's durability and production scalability make it the choice for not just industrial transportation applications, but also developing product electrical housing, cooling and heating systems, as well as moulds and vacuum forming.

### TRADE NAME : EVERFIL™ PA6/66

#### COMMON PARAMETERS

Filament	Parameters	Nom value unit	Test Metod
Diemeter	1,75 , 2,85	mm	-
Tolerance	+/- 0,03	mm	-
Weight	1,0 , 3,0	kg netto	-

Physical	Parameters	Nom value unit	Test Metod
Density	1,13	g/cm3	ISO 1133
Melt Volume-Flow Rate (MFR)	2,3	cm/10min	ISO 1133
Water absorption	2,8	%	Sim to ISO 62
Clarity	transparent		

Mechanical	Parameters	Nom. Value unit	Test Metod
Tensile Strength	65	MPa	ISO 527
Bending Modulus	1725	MPa	ISO 178
Young's Modules	2325	MPa	ISO 527
Vicat Softening Temperature	180°C	kJ/m2	ISO 306
Heat Resistance	Up to 185°C	-	-

#### PRINT CONDITIONS Everfil™ PA6/66

3D Printers	Typical Value	Unit
Printing temperature	230 – 250	°C
Bed temperature (is required)	60-70	°C
Cooling (according to design)	20	%



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## STORAGE

Filament can't handle moisture very well and that is why we recommend storing your filament in a cool, dry environment, ideally in a package vacuum sealed with silicate.

