

PA6 GF V0 KT001 Flame Resistance Filaments

Technical Data sheet



rev. 1

DESCRIPTION

PA6 GF V0 KT001 Flame Resistance is 3D Printing Filament in polyamide 6 with Glass Fiber and Flame Resistance additive.
Only White.

APPLICATIONS

3D Printing Prototyping Technologies

Property Test Condition	Standard	Unit	Values 50%RH
Mechanical Properties			
Izod Impact, Notched (23°C)	ASTM D 256/A	J/m	90
Flexural Modulus	ASTM D 790	MPa	9800
Thermal Properties			
H.D.T. Method A (1,80 MPa)	ASTM D 648	°C	205
Other Properties			
Density	ISO 1183	g/cc	1,60
Flame rating (0,8 mm)	UL 94	Class	V0
Flame rating (1,6 mm)	UL 94	Class	V0
Flame rating (3,2 mm)	UL 94	Class	V0
Processing			
Melt Temperature Range		°C	240 - 260

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SUPPLY FORM

PA6 GF V0 KT001 is supplied as Filaments. It has to be kept in its original packaging.

HAZARD AND HANDLING PRECAUTIONS

PA6 GF V0 KT001 is Polyamide 6 resin, under normal conditions of use, should pose no unusual problems from incidental ingestion, or eye and skin contact. However, caution is advised when handling, storing, using, or disposing of these resins, and good housekeeping and controlling of dusts are necessary for safe handling of product. Workers should be protected from the possibility of contact with molten resin during fabrication. Handling and fabrication of resins can result in the generation of vapours and dusts that may cause irritation to eyes and the upper respiratory tract. In dusty atmospheres, use an approved dust respirator. Pellets or beads may present a slipping hazard. Good general ventilation of the polymer processing area is recommended. At temperatures exceeding the polymer melt temperature (typically 200°C), polymer can release fumes, which may contain fragments of the polymer, creating a potential to irritate eyes and mucous membranes. Good general ventilation should be sufficient for most conditions.

PROCESSING

PA6 GF V0 KT001 Filaments can be processed by all conventional 3D printing techniques. Heat Bed 100°C. Mass temperature can be less as 270°C..

DISPOSAL

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. For unused or uncontaminated material, the preferred options include recycling into the process or sending to an industrial composting facility, if available; otherwise, send to an incinerator or other thermal destruction device. For used or contaminated material, the disposal options remain the same, although additional evaluation is required. All disposal methods must be in compliance with Federal, State/Provincial, and local laws and regulations.

DISCLAIMER

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