



PLA HS KT 001 Filaments Technical Data sheet

rev. 1

DESCRIPTION

PLA HS KT 001 is 3D Printing Filament in Polylactic Acid resin special compound.

APPLICATIONS

3D Printing Prototyping Technologies

Property Test Condition	Standard	Unit	Values
Mechanical Properties			
Tensile Strength, at Break	ISO 527	MPa	60
Elongation at Break	ISO 527	%	2
Thermal Properties			
H.D.T. Method A (1,80 MPa)	ISO 75	°C	92
Other Properties			
Specific Gravity	ISO 1183	g/cm ³	1,37
Processing			
Melt Temperature Range		°C	200 - 230

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SUPPLY FORM

PLA HS KT 001 is supplied as Filaments. It has to be kept in its original packaging. Avoid direct exposure to sunlight.

HAZARD AND HANDLING PRECAUTIONS

PLA HS KT 001 biopolymers have a very low degree of toxicity and, 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, 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

PLA HS KT 001 Filaments can be processed by all conventional 3D printing techniques..
Mass temperature can be less as 230°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. (For example, in the U.S.A., see 40 CFR, Part 261, "Identification and Listing of Hazardous Waste.") All disposal methods must be in compliance with Federal, State/Provincial, and local laws and regulations.

DISCLAIMER

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