

TECHNICAL DATA SHEET

KEXCELLED TPU K7 95A

Product code:	Revision Number:	Revision date:	TDS No.:
TPU K7 95A	01	10/03/2020	KT04.012.0133

BRIEF INTRODUCTION

Filament suitable for all commercially available leading brands FDM/FFF Printers.

CHARACTERISTIC

High shear strength | oil and grease resistance

IDENTIFICATION OF THE MATERIAL

Trade name	TPU K7 95A
Chemical name	Thermoplastic polyurethanes
Use	3D printing
Origin	KEXCELLED

GUIDELINE FOR PRINT SETTINGS

Nozzle temperature	220±10°C
Bed temperature	60~80°C
Bed modification	Tape or glue below 60°C
Active cooling fan	ON, 100%
Layer height	0.2mm
Shell thickness	≥0.8mm
Print speed	20-50mm/s

Settings are based on a 0.4mm nozzle.

MATERIAL PROPERTIES

		Test Method
Melt flow rate (MFR)¹	Not determined	ISO 1133
Heat deflection temperature(HDT)²	/	ISO 75
Density	1.15g/cm ³	ISO 1183
Odor	Odorless	/
Solubility	Insoluble in water	/

1.test conditions: T= 190°C; m=2.16 kg.

2. test conditions:0.45MPa;120°C/h.

FILAMENT SPECIFICATION		Test Method
Diameter 1.75mm	1.75±0.03mm	EX1125
Diameter 2.85mm	2.85±0.03mm	EX1125
Diameter 3.00mm	3.00±0.03mm	EX1125
Max roundness deviation (1.75)	0.03mm	EX1125
Max roundness deviation (2.85)	0.03mm	EX1125
Max roundness deviation (3.00)	0.03mm	EX1125
Net weight on reel	1kg	EX1125