CR-TPU Filament Technical Data Sheet

Version 1.0

1. Product introduction

CR-TPU is a traditional 95A shore hardness flexible filament. It has 700%+ of elongation at break and great tear resistance and resilience.

2. Physical Performance Parameters

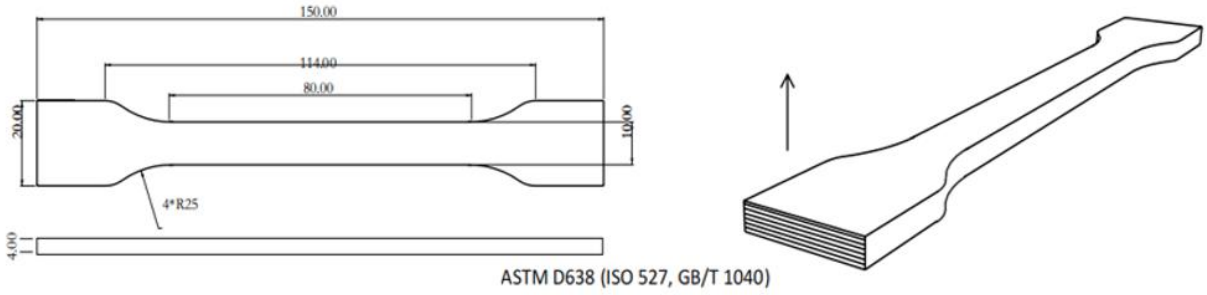
Items	Testing Criteria	Parameters
Density	ASTM D792 (ISO 1183, GB/T 1033)	1.12 (g/cm3 at 21.5˚C)
Vicat Softening Temperature	190℃/2.16Kg	9 (g/10 min)

3. Mechanical Performance Parameters

Items	Testing Criteria	Parameters
Elongation at break（X-Y）	ASTM D638 (ISO 527, GB/T 1040)	780(%)
Shore hardness 95A	ISO 7619-1, GB/T 531.1	95A

Parameters and styles of sample printing conditions:

Print Conditions	Parameters
Nozzle Temperature	230℃
Hot Bed Temperature	60℃
Printing Speed	30mm/s
Infill	100%



ASTM D638 (ISO 527, GB/T 1040)

4. Recommended Printing Parameters

Print Temperature	Hotbed Temperature	Ambient Temperature	Print Speed	Pumping Distance
210-240℃	不加热-60℃	N/A	15-50mm/s	0-2mm

5. Compatible Models

CR-TPU needs to be printed on a 3D printer equipped with direct extruder.

6. Storage Condition

Please place this product in a dry and ventilated environment, not in an environment of high temperature, sunny or humid conditions. If it is not used up within a short time after opening, it is recommended to use it with a dry box when using it again.

7. Disclaimer

The values given in this data sheet are for reference and comparison only. Actual values may vary with printing conditions, and the end-use performance of printed models depends on model design, environmental conditions, printing conditions, etc.