

PCTPE Flexible Nylon Filament

SKU: FL100TPE

Our PCTPE Nylon filament is a "Plasticized Copolyamide TPE" or a chemical co-polymer of highly flexible nylon and TPE (thermoplastic elastomer). PCTPE has several unique features that allow any user to print a highly flexible part with the added durability of our nylon polymers. Parts will have a smooth lustrous texture of nylon, and the added flexibility offered by a rubber like TPE.

Recommended Print Settings

Parameter	Units	Range
Extruder Temperature	°C	235 - 245
Recommended Bed Temperature	°C	55
Printing Speed	mm/sec	40
Retraction	mm	3-4

Printed Part Properties

Parameter	Units	Value
Density	g/cm ³	1.12
Tensile Strength	MPA	35
Flexural Modulus	MPA	73
Ultimate Elongation	%	497

Notes

1. Recommended process conditions and printed part properties may be changed at any moment without previous communication from Xtellar.
2. For information on about safety, handling, individual protection, first aids and waste disposal, please see MSDS.
3. In case of questions regarding utilization or regulatory information, please contact our technical assistance area.
4. For information on about safety, handling, individual protection, first aids and waste disposal, please see SDS. In case of questions regarding utilization or regulatory information, please contact our technical assistance area.