

EP104201YE001-TDS

COCOON TPU-Matte

COCOON TPU-Matte is a flexible 3D printing material with a Shore hardness of 95A. The printed parts exhibit a matte texture, making it ideal for various applications that require flexible materials.

Part 1 Injection-Molded Specimen Performance

Testing Items	Testing Conditions	Testing Methods	Units	Typical Values
Physical Properties				
Density	23°C	ISO 1183	g/cm ³	1.22
Shore A	23°C	ISO 868	-	95
Mechanical Properties				
Tensile Strength	500mm/min	ISO 37	MPa	15
Elongation @ Break	500mm/min	ISO 37	%	400
Stress at 100 % Elongation	500mm/min	ISO 37	MPa	8.6
Stress at 300 % Elongation	500mm/min	ISO 37	MPa	10.8
Tear Strength	500mm/min	ISO 34-1	kN/m	95

Note: The typical physical properties are not intended for use as sales specifications.

Part 2 Printing Guidelines

Parameters	Settings
Nozzle Temperature	220-250°C
Build Plate Temp.	35°C
Build Plate Material	Glass、PEI、Steel Spring Build Plate
Bottom Layer Printing Temp.	230°C
Enclosed-chamber Printing	yes
Print Speed	50mm/s
Drying recommendations	70-80°C, 4-8h

Disclaimer:

The values provided in this data sheet are for reference and comparison purposes only. They should not be used for design specifications or quality control. Actual values may vary depending on printing conditions. The ultimate performance of printed parts depends not only on the material but also on the part design, environmental conditions, and printing conditions. The product specifications are subject to change without notice.

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