

eClean

Technical Data Sheet

Used to clean the nozzles of the printers;

After printing, use eClean filament to clean the nozzles, and then print other colors or types of materials.

Especially when you plan to print low-temperature materials such as PLA and high-temperature materials such as carbon fiber reinforced nylon filament, eClean will greatly reduce the possibility of nozzle clogging;

Transparent color and wide use temperature make eClean suitable for cleaning different colors, types and printing temperatures filaments.

Material Status	Mass Production
Characteristics	<ul style="list-style-type: none"> Cleaning nozzles Great compatibility
Applications	<ul style="list-style-type: none"> 160-300°C printing filaments
Form	<ul style="list-style-type: none"> Filament
Processing method	<ul style="list-style-type: none"> 3D Print, FDM Print

	Testing method	Typical value
Physical Properties		
Density	GB/T 1033	0.95 g/cm ³
Melt Flow Index	GB/T 3682	N/A
Mechanical Properties		
Tensile Strength	GB/T 1040	23 MPa
Elongation at Break	GB/T 1040	580 %
Flexural Strength	GB/T 9341	N/A
Flexural Modulus	GB/T 9341	N/A
IZOD Impact Strength	GB/T 1843	29 (kJ/m ²)
Thermal Properties		
Heat distortion Temperature	GB/T 1634	45 (°C,0.45MPa)
Continuous Service Temperature	IEC 60216	N/A
Maximum (short term) Use Temperature		N/A
Electrical Properties		
Insulation Resistance	DIN IEC 60167	N/A
Surface Resistance	DIN IEC 60093	N/A

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Recommended printing parameters

Extruder Temperature	160-300°C
Build Platform Temperature	N/A
Fan Speed	N/A
Printing Speed	N/A

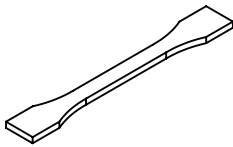
Based on 0.4 mm nozzle and Simplify 3D v.4.1.2. Printing conditions may vary with different nozzle diameters

Drying Recommendations

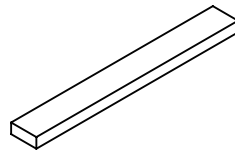
N/A

Notes

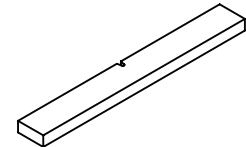
Mechanical Properties



Tensile testing specimen GB/T 1040



Flexural testing specimen GB/T 9341



Impact testing specimen GB/T 1043

The physical properties, mechanical properties, thermal properties, and electrical properties of the filament are obtained based on the injection molding spline test.

Print test condition:

Extruder Temperature	N/A
Build Platform Temperature	N/A
Outline/Perimeter Shells	N/A
Top/Bottom Layers	N/A
Infill Percentage	N/A
Fan speed	N/A
Printing speed	N/A

Based on 0.4 mm nozzle and Simplify 3D v.4.1.2.

Notice

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