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	• Cleaning nozzles • Great compatibility
Applications	• 160-300°C printing filaments
Form	• Filament
Processing method	• 3D Print, FDM Print

	Testing method	Typical value	
Physical Properties			
Density	GB/T 1033	0.95	g/cm³
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/㎡)
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	

Wuhan University Building A403-I,A901,No.6 Yuexing 2 Road,Nanshan District,Shenzhen,Guangdong
China
Tel +86 755 86581960
fax +86 755 26031982
Email: bright@brightcn.net
www.esun3d.net

Recommended printing parameters

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

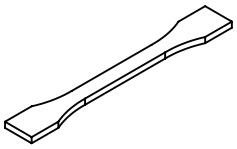
Based on 0.4 mm nozzle and Simplify 3D v.4.1.2. Printing conditions may vary with different nozzle diameters

Drying Recommendations

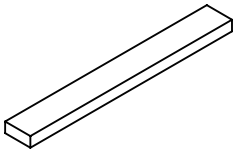
N/A

Notes

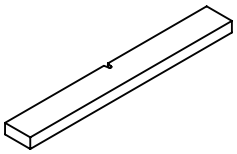
Mechanical Properties



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

Wuhan University Building A403-I,A901,No.6 Yuexing 2 Road,Nanshan District,Shenzhen,Guangdong

China

Tel +86 755 86581960
fax +86 755 26031982
Email: bright@brightcn.net

www.esun3d.net