



Technical Data Sheet

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Revised: NA

Polycarbonate Filament

SECTION 1, IDENTIFICATION

Product Part Number: Clear [AW3D-F08116](#)
Black AW3D-F08101
White AW3D-F08102

Manufacturer: Airwolf 3D
Address: 11208 Young River Avenue, Fountain Valley, CA 92708
Phone Number: +1 949-478-2933
Recommended Use: 3D printing filament
Restrictions on Use: For use with 3D printers

SECTION 2, DESCRIPTION

Description: Polycarbonate the strongest fused deposition modeling material for the desktop 3d printer. It has a very high impact strength -with comparably high level of transparency and relatively light weight.

Applications: Concept modeling
Visual prototyping
Functioning prototypes, especially where transparency and non-conductivity are desired
Lighting fixtures and covers

Key Features: High impact strength
Transparency
Dichloromethane soluble

SECTION 3, SPECIFICATIONS

EXTRUDER TEMPERATURE	300C
BED TEMPERATURE	140C -145C
HEATED BED	Required

RECOMMENDED BUILD SURFACE	Wolfbite MEGA
DIAMETER	2.88mm
COLOR	Black, Black 5lbs, Clear, Clear 5lbs, White, White 5lbs
COMPATIBLE MACHINE	AXIOM , AXIOM 20 , AXIOM Dual Extruder, EVO
THERMAL	
Coefficient of Linear Expansion 40-100 °C	6.0-8.0 X10 ⁻⁵ /cm/cm°C
Thermal Conductivity	0.2 W/m°C
PHYSICAL	
Melt Flow Rate	15 g/10 min (at (300°C @ 1.2Kg))
Vicat Softening Point	298 °F
Specific Gravity ASTM D 792	1.2
Mold Shrinkage	.005-.007 in/in
Rockwell Hardness	M-77 M-Scale
Light Transmission 3mm thick	88 %
UL FLAMMABILITY	
Flammability	V-2 (1.5mm)

SECTION 4, ADDITIONAL INFORMATION

none

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