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72/2008. According to EC criteria regulations this product is
5.
o EU-directive 67/548/EEC or 1999/45/EC. According to EC
classified as hazardous.

INFORMATION ON THE COMPONENTS

a mixture.

ACH mber	Quantity	Components	Classification Regulation (EC) No. 1272/2008
-----	>= 99,0%	Acrylonitrile Butadiene Styrene	Not classified

nation

and environmental regulations and legislation for the
isting commercial chemical substances (EINECS)
ixture are either included in the EINECS list or exempt.

ment: Does not apply
ardous Substances) and REACH (Registration, Evaluation,
iction of Chemicals). The ABS Filament produced by
ropean RoHS and REACH regulations.

ormation

the environment. 3D misprints must be separated with
h the Filament reel. 3D4MAKERS is developing a return
nd the Filament reel. **Together we can protect the**



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ABS

Filament
Technical informat
Printer settings
Storage informati
Safety informatic

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tion

tyrene (ABS) is a thermoplastic and a copolymer that is consists of 5-30% Butadiene, around 50% Styrene and the

with high toughness and impact resistance. The maximum between 85 °C and 100 °C, depending on the modifications. emperature is -35 °C. ABS is a flammable polymer to which dded. It also subject to from aging by being exposed to the light, oxygen, moisture, heat) because Polybutadiene of Polystyrene. This causes discolouration and the plastic 3th. In order to improve this UV stabilizers can be added.

ment contains unique properties because the material has meter and roundness. On top of that the ABS filament does with water during the production process and is directly packaging. These properties make the 3D4MAKERS ABS ble for FDM and FFF 3D printers.

cellent adhesion between layers. This results in great ict resistance, strength, durability, the printing process and

ced by 3D4MAKERS meets the European regulations EC No. 2006 and EC No. 10/2011 concerning plastic materials and ict with food. The colorants used by 3D4MAKERS to colour ese European regulations

ce

	Diameter tolerance	Roundness
	+/- 0,05mm	99%
	+/- 0,05mm	99%

	< 0,05%	
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Physical properties

Description	Value
Density	1,05 g/cm
Melt Mass-Flow Rate (MFR) (220°C/10KG)	15 g/10 m

Mechanical properties

Description	Value
Tensile Stress	45 Mpa
Flexural Modulus	2300 Mp
Impact strength Notched Izod	19 Kj/m ²
Tensile Strain	2,50%

Printer settings

Printer settings

Description	
Printer nose temperature	
Heated platform temperature	

Our experience while printing with the 3D4MAKERS AF better results when used at higher temperatures than ot vary with different printers.

To get the best results while printing we advise you to ke where there is hardly any draft and/or temperature flu room where people sleep.

When the 3D printer is not being used it is important to Filament in a bag and store it in a cool, dry and dark place.



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