

Main features

Low warpage

Impact resistance

Low water absorption

High-strength and stiffness parts with low creep

Physical properties

Physical properties	Test method	Specimen	Units	Typical value
Specific gravity	ISO 1183		g/cm ³	1.05
Water absorption				

Mechanical Properties at 23°C

Tensile strength	ISO 527		MPa	47
Tensile modulus				
Impact strength				
Impact strength notched	ISO 180/1A		Kj/m ²	19
Flexural modulus	ISO 178		MPa	2200
Flexural strength	ISO 178		MPa	76
Flexural elongation F. max.				
Elongation F. max.				

Thermal properties

Heat distortion temperature	ISO 306		°C	104
Continuous service temperature	ASTM D 1525		°C	100

Electrical properties

Insulation resistance

Disclaimer

The above information is provide in good fact .Treedfilaments is not responsable for any processing which may occur to product finished articles , packaging materials and other .

Further Treedfilaments makes no warranty or representation of any kind regarding the information given or the product described and expressly disclaims all implied warranties , representations and conditions , including without limitation all warranties and conditions of quality , merchantability and suitability or fitness for particular purpose .



Material DataSheet ABS FOOD

TDS Nr.: 5004

Rev. 2.0 24/03/2025

SUGGESTED PRINT SETS (I)

Suggest print sets	Unit	Value	Test method
Extruder temp	C°	235-250	Internal
Plate temp	C°	90	Internal
Min. nozzle diameter	mm.	0,2	Internal
Fan	%	0 - 70	Internal
Print speed	mm/l°	30 - 60	Internal

ADDITIONAL INFORMATIONS

In General filaments made with ABS Food can be processed on conventional 3D printer using FDM / FFF technology.

ABS Food is a special ABS developed for 3D printing and to obtain best results we recommend pre drying the filaments at 70° for 2 h. Increase drying time for spools up 1 kg.

Don't leave the filament stopped inside the nozzle more than 20 min. If that down the temperature under 210°, better stop the thermal control.

(I) Suggested print set merely represent a recommendation for general use . Every printer necessity a specific set , nozzle temp, bed temp, etc .

Disclaimer

The above information is provide in good fact .Treedfilaments is not responsable for any processing which may occur to product finished articles , packaging materials and other .

Further Treedfilaments makes no warranty or representation of any kind regarding the information given or the product described and expressly disclaims all implied warranties , representations and conditions , including without limitation all warranties and conditions of quality , merchantability and suitability or fitness for particular purpose .