



Material DataSheet FORTIS LL

TDS Nr.: 5027

Rev. 2.0 25/03/2025

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 1183-1		g/cm ³	0.9
Water absorption				

Mechanical Properties at 23°C

Tensile strength

Tensile modulus

Impact strength

Impact strength notched

Flexurtal modulus

Flexurtal strength

Flexural elongation F. max.

Elongation F. max.

	ISO 178		MPa	990

Thermal properties

Heat distortiontemperature

Continuous service temperature

	ISO 306		°C	111

Electrical properties

Insulation resistance

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SUGGESTED PRINT SETS (I)

Suggest print sets	Unit	Value	Test method
Extruder temp	C°	250-265	Internal
Plate temp	C°	90	Internal
Min. nozzle diameter	mm.	0,2	Internal
Fan	%	20 - 100	Internal
Print speed	mm/l°	40 - 60	Internal

ADDITIONAL INFORMATION

In general filaments made with Fortis LL can be processed on conventional 3D printer using FDM / FFF technology.

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

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