

EOS GmbH Electro Optical Systems

Robert-Stirling-Ring 1, Munich 82152 DE

PA 2210 FR

Polyamide 12 (PA12), furnished as powder

Flammability Properties

Property	Method	Color	Min. Thk(mm)	Class
Flammability	ANSI/UL 94, IEC 60695-11-10, -20	WT	0.75 3.0	HB75 V-0

Electrical Properties

Property	Method	Value
Comparative Tracking Index	ASTM D3638	1 PLC ⁺

Electrical Ignition Properties

Property	Method	Color	Min. Thk(mm)	Value
Hot-Wire Ignition (HWI)	ASTM D3874		0.75 3.0	0 PLC ⁺ 0 PLC ⁺
High-Current Arc Ignition (HAI)	UL/ANSI 746A		0.75 3.0	0 PLC ⁺ 0 PLC ⁺

Thermal Properties

Property	Method	Min. Thk(mm)	Value
Relative Thermal Index - Electrical Strength	ANSI/UL 746B	0.75	65°C
		3.0	65°C
Relative Thermal Index - Mechanical Impact	ANSI/UL 746B	0.75	65°C
		3.0	65°C
Relative Thermal Index - Mechanical Strength	ANSI/UL 746B	0.75	65°C
		3.0	65°C

Process Category: Powder Bed Fusion

Printing Process Designation Number:

Processing Parameter	Value
Build Plane	Horizontal & Vertical
Layer Thickness	150 µm
Laser Power	Preset Watts
Post Processing Method	Glass media blaster with a bead size of 70 to 110 µm, shot blasting pressure 4 bar.
For use with Printer:	EOS P 396 / EOS P 770
Printer Preset:	PA2210FR_150_0xx / PA2210FR_150_0xx , PA2210FR_150_1xx

Limited properties and ratings assigned to samples produced by the Additive Manufacturing technique representing a specific set of printing parameters and build strategy. Other print parameters and build strategies may result in significantly different results.

+ PLC = Performance Level Category

IEC/ISO small-scale test data does not pertain to building materials, furnishings and related contents. IEC/ISO small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

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