



# PA 2210 FR - Plastics for Additive Manufacturing - Component

## Plastics for Additive Manufacturing - Component

File Number: E498423

Blue Card®



Printing Process Designation Number 1 ▼

**COMPANY****EOS GmbH Electro Optical Systems**

Robert-Stirling-Ring 1  
Krailling, 82152 Germany

**MODEL INFO****PA 2210 FR**

Polyamide 12 (PA12), furnished as powder

FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		ANSI/UL 94
0.75 mm, Color: WT	HB	
3.0 mm, Color: WT	V-0	
ISO/IEC FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		IEC 60695-11-10
0.75 mm, Color: WT	HB75	

3.0 mm, Color: WT

V-0

**ELECTRICAL PROPERTIES****VALUE****TEST METHOD****Hot-wire Ignition (HWI)**

UL 746A

0.75 mm

PLC 0

3.0 mm

PLC 0

**High Amp Arc Ignition (HAI)**

UL 746A

0.75 mm

PLC 0

3.0 mm

PLC 0

**Comparative Tracking Index (CTI)**

PLC 1

UL 746A

**THERMAL PROPERTIES****VALUE****TEST METHOD****Relative Thermal Index - Electrical Strength**

UL 746B

0.75 mm

65 °C

3.0 mm

65 °C

**Relative Thermal Index - Mechanical Impact**

UL 746B

0.75 mm

65 °C

3.0 mm

65 °C

**Relative Thermal Index - Mechanical Strength**

UL 746B

0.75 mm

65 °C

3.0 mm

65 °C

PROCESSING PARAMETER	VALUE	TEST METHOD
Process Category	Powder Bed Fusion	
Build Plane	Horizontal & Vertical	
Layer Thickness	150.00 $\mu\text{m}$	
Post Process Method	Glass media blaster with a bead size of 70 to 110 $\mu\text{m}$ , shot blasting pressure 4 bar.	
Printer	EOS P 396 / EOS P 770	
Printer Preset	PA2210FR_150_0xx / PA2210FR_150_0xx , PA2210FR_150_1xx	
Laser Power	Preset	

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