

# Polyamide PA 2200

Nylon 12 - Available on P385 & P730 SLS Machines

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MODELS

PROTOTYPES

## Technical data

### Optical Properties

Colour: White

### Material Properties

Measurement	Condition	Value
Density of part	EOS Method	0.9 to 0.95g/cm <sup>3</sup>

### Mechanical Properties

Measurement	Condition	Value
	DIN EN ISO	
Tensile Modulus	527	1700±150N/mm <sup>2</sup>
Tensile Strength	527	45±3N/mm <sup>2</sup>
Elongation@Break	527	20±5%
Flexural Modulus	178	1240±130N/mm <sup>2</sup>
Impact Strength(Charpy)	179	53±3.8kJm <sup>2</sup>
Notched Impact Strength(Charpy)	179	4.8±3.4kJm <sup>2</sup>
Izod Impact-Strength	180	32.8±3.4kJm <sup>2</sup>
Izod-Notched Impact Strength	180	4.4±0.4kJm <sup>2</sup>
Ball indentation Hardness	2039	77.6±2kJm <sup>2</sup>
Shore D Hardness	DIN 53505	75±2kJm <sup>2</sup>

### Thermal Properties

Measurement	Value
TG Glass Transition	130+ °c

## Features, benefits & applications

- Non-porous, so eliminating the need to seal the surface in components used with liquids
- Increased flexibility in the design and development process



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