

# ● PA 2200

PA2200 is a premium nylon material manufactured by EOS, a German company. It consists of 100% pure PA12 nylon powder that is white in color, spherical in shape, with a uniform particle size and excellent leveling properties.

It offers outstanding mechanical and chemical properties, including high strength, thermal resistance, and chemical resistance. With excellent surface finish quality and UV stability, it's well-suited for demanding industrial and aerospace applications.

PA2200 is printed using the SLS process, with a minimum wall thickness of 0.3 mm and standard print dimensions of 300\*250\*200 mm.

## Material properties

High strength, high rigidity

Good corrosion resistance

Excellent mechanical performance

Outstanding long-term stability

Low powder refresh rate, high detail resolution, certified

Environmentally compliant and ROHS-certified

Certified biocompatible under EN ISO 10993-1 and USP/level VI/121°C and meets EU 2002/72/EC standards for food contact



Material parameters

Material name	PA2200
Color	White
Density	0.95 g/cm <sup>3</sup>
Tensile strength (longitudinal)	48 MPa
Tensile strength (transverse)	27 MPa
Elongation (longitudinal)	20%
Elongation (transverse)	12%
Melting point	178°C
Applications	Industrial and aerospace sectors