

OCEANZ PAGF ANTHRACITE

Datasheet for glass filled polyamide parts produced by Selective Laser Sintering



Oceanz PAGF ANTHRACITE is a glass-filled polyamide 12 powder, which is characterized by an excellent stiffness in combination with wear-resistance. As the anthracite color is throughout, scratches or any postprocessing do not degrade the appearance. The parts are also less susceptible to soiling, as soiling is less conspicuous against the dark background. Laser sintered parts made from Oceanz PAGF ANTHRACITE possess excellent material properties:

- High stiffness and mechanical wear-resistance
- Good thermal loading and long term constant behavior
- High dimensional accuracy and detail resolution

Oceanz PAGF ANTHRACITE is processed on our ISO9001 environment and can be polished and vapor polished. After vapor polish, the material has a black appearance. The material can also be colored black for the darkest result.

Part properties	Value	Unit
Part color	Anthracite	-
Part density	1.22	g/cm ³
Minimum wall thickness	1.0	mm
Layer thickness	0.1	mm
Max. product size	192 x 240 x 315	mm
Tensile strength XY	48	MPa
Tensile strength Z	42	MPa
Strain at break XY	10	%
Strain at break Z	7	%
Shore hardness	80	Shore D
Melting temperature	185 - 188	°C

Please note that all mentioned mechanical properties are optimum values according to manufacturer. Due to the layer by layer production process and the specific design of each individual product values may differ. ***If specific properties and/or dimensions are critical, always contact us so we can inform you how to obtain required specifications!***

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