

## OCEANZ GREY

### Datasheet for polyamide parts produced by Selective Laser Sintering



Oceanz Grey is a pigment-filled polyamide powder developed by Oceanz for the manufacturing of laser sintered parts that are grey throughout.

Typical applications for the material are fully functional parts in design quality subject to high mechanical or thermal loads. The grey appearance often looks better in technical applications than white parts. As this colour 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 grey background.

Oceanz Grey is processed in our ISO9001 production environment and can be coloured, polished and coated.

Part properties	Value	Unit
Part colour	Grey	-
Part density	0.94	g/cm <sup>3</sup>
Minimum wall thickness	0.7	mm
Layer thickness	0.1 - 0.12	mm
Max. product size	335 X 335 X 603	mm
Tensile modulus	1600	MPa
Tensile strength XY	48	MPa
Tensile strength Z	42	MPa
Strain at break XY	20	%
Strain at break Z	6	%
Hardness	75	Shore D
Melting temperature	184-188	°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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[Visit Oceanz](#)

[Maxwellstraat 21, 6716 BX EDE](#)  
 T: [+31 \(0\) 318 769 077](tel:+3120318769077)  
 M: [info@oceanz.eu](mailto:info@oceanz.eu)  
 W: [www.oceanz.eu](http://www.oceanz.eu)

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