



OCEANZ FOOD GRADE – PA11 BLUE

Datasheet for BLUE printed parts approved for food contact applications

Parts printed in this material will have the characteristic blue colour of food contact plastics. Oceanz PA11 BLUE consists of a food contact compliant PA11 powder. This powder has been treated with a food contact compliant blue colorant, which results in 3D printed parts with a durable blue colour *through-and-through*.



Oceanz PA11 Blue complies with the EU regulatory requirements of the food processing industry:

- EC 1935/2004
- EU 10/2011
- EC 2023/2006

Typical applications are extrusion nozzles, grippers, moulds and machine parts for direct food processing as well as indirect food processing, e.g. food packaging industry.

All Oceanz PA11 Blue orders are polished and are processed in our ISO 9001 environment. Each order will be provided with a declaration of conformity.

Specifications	Single use	Repeated use
Max. time and temperature while in contact with food	1) Long-term storage at room temperature 2) 2 hours at 70 °C 3) 15 minutes at 100 °C	1) Long-term storage at room temperature 2) 30 min at 70 °C 3) 5 minutes at 100 °C
Types of food intended to come in contact with the products	All foods	
Maximum surface to volume (S/V) contact ratio	6 dm ² /kg	

Part properties	
Minimum wall thickness	1.0 mm
Max. product size	192 x 240 x 315 mm
Tensile strength XY / Z	46 / 40 MPa
Strain at break XY / Z	30 / 8 %
Max. operating temperature	100°C

** If your specific application is not stated on the datasheet, please contact us for more information on the possibilities.*

Please note that all mentioned mechanical properties are optimum values according to the 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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