



OCEANZ FOOD GRADE – PA12 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 PA12 BLUE consists of a food contact compliant PA12 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 PA12 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.

Oceanz FOOD GRADE PA12 Blue orders are processed in our ISO 9001 environment and will be polished. Vapor polish is available on request. Each order will be provided with a declaration of conformity.

Test conditions	Application	Contact conditions
EU 10/2011 OM3	All types of food	All food contact conditions involving hot filling and/or heating up to 100°C for 15 minutes or 70°C for 2 hours which is not followed by long-term storage at room temperature or in cold rooms.

Part properties	
Minimum wall thickness	1.5 mm (to withstand polishing)
Max. product size	330 x 330 x 315 mm
Tensile strength XY / Z	46 / 40 MPa
Strain at break XY / Z	30 / 8 %
Max. operating temperature	100°C (for direct food contact applications)

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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