



APPLICATIONS

100% Alternative: PS OWA filament is a new material for 3D printing. PS is a technical, lightweight and durable thermoplastic that offers a quality alternative to conventional PLA and ABS.

100% Quality: tests are carried out at each production stage to ensure the regularity of our filaments and guarantee their compatibility with all 3D printers.

100% Sustainable: PS OWA filaments are the results of a controlled and certified raw materials recycling process made from the plastic used for the yogourts pots and cups.

[More information](#)

HEALTH & SAFETY

PS OWA filaments are not hazardous for health. However, as short dust, in case of peeling or sanding, PS filament may cause skin, eyes and respiratory tract irritation. Users must wear individual protection equipment (mask, gloves...) in case of sanding or milling the printed pieces. Consult MSDS for more data.

PS can lead to COV production during printing process (styrene derivatives). Ensure a working area equipped with air extraction or suitable protection. Always refers to MSDS prior handling.

[More information](#)

Featured Object: Turbine



PS OWA available in 12 colors and 2 diameters



Packaging



Spools packed in individual boxes, under vacuum with desiccant. Product supplied with batch number and material traceability. Spools of 300g, 750g and 2.2kg are available on our store. Other spools are available on request (up to 25 kg).

Product Information	Units	Method	Result
Printing Temperature	[°C]	-	200 - 260
Platform Temperature	[°C]	-	60 - 100
Printing Speed	[mm/s]	-	40 - 100
Maximum Temperature Usage	[°C]	-	280
Physical and Mechanical Properties	Units	Method	Result
Density	[g/cm ³]	ISO 1183	1.15
Melting Point	[°C]	-	240
Glass Transition Point	[°C]	-	90
Tensile Stress at Break	[Mpa]	ASTM D638	15
Elongation at Break	[%]	ASTM D638	5.2
Unnotched Charpy Impact Strengh	[kJ/m ²]	ISO 179	5.7
Other Information	Units	Norms	Result
Food Contact	-	EN10/2011	Not Applicable
Toy	-	EN73-1	Not Applicable
Electronic	-	RoHS	Applicable