

### PETG

Copolyester with 91% transparency in its natural state, it is very glass like, with high chemical resistance. Accepted for use with food products (FDA). It is very easy to print, as it has very low shrinkage and requires no warm bed.



Recyclable  
Recyclable  
Recyclable



Apto para contacto  
con alimentos  
Food Approved  
Aliments approuvés

	TIPICAL VALUE	UNITS	TEST METHOD		
<b>PHYSICAL PROPERTIES</b>					
Chemical Name	Polyethylene Terephthalate				
Material Density	1.27	g/cm <sup>3</sup>	ASTM D792		
<b>MECHANICAL PROPERTIES</b>					
Tensile Yield Strength	50	MPa	ASTM D638		
Specific Gravity	1.27	g/cm <sup>3</sup>	ASTM D1505		
Rockwell Hardness (R Scale)	108	R	ASTM D785		
Notched Izod Impact	105	J/m	ASTM D256		
Flexural Strength	69	MPa	ASTM D790		
Flexural Modulus	2100	MPa	ASTM D790		
<b>THERMAL PROPERTIES</b>					
Heat Distorsion Temperature (0.45 MPa)	70	°C	ASTM D648		
Vicat Softening Temperature	85	°C	ASTM D1525		
<b>PRINTING PROPERTIES</b>					
Print Temperature	225-245	°C			
Hot Pad	60-90	°C			
Fan Layer	ON (100)	%			
<b>SIZE</b>	<b>NET W.</b>	<b>GROSS W.</b>	<b>DIAMETERS</b>	<b>COLOR</b>	<b>PACKAGING</b>
M	750 g	975 g	1.75 mm/2.85 mm	Various colors	SmartBag, security seal, desiccant bag

DISCLAIMER: The information provided in the data sheets is intended to be just a reference. It should not be used as design or quality control values. Actual values may differ significantly depending on the printing conditions. The final performance of the printed components does not only depend on the materials, also the design and printing conditions are important.

Smart Materials assumes no responsibility for any damage, injury or loss produced by the use of its filaments in any particular application.