







# TECHNICAL DATA SHEET

## rPETG (1.75 mm)

<b>Name</b>	Recycled PETG
<b>Chemical name</b>	Polyethylene Terephthalate - Glycol Modified
<b>Source of plastic</b>	The Netherlands
<b>Description</b>	Our flagship rPETG is sourced from leading local recyclers. It's durable and easy to use, with exceptional visual and mechanical performance.
<b>Available colours</b>	 white  black  aqua  mint  honey  coral

## FILAMENT SPECIFICATIONS

<b>Diameter</b>	1.75 mm. $\pm 0.05$ mm
<b>Roundness</b>	$\geq 98\%$
<b>Net filament weight</b>	1 KG
<b>Filament length</b>	~357m

## PRINTER SETTING RECOMMENDATION

Nozzle temperature	225°C ±10°C
Bed temperature	75°C ±5°C
Bed modification	glue / hairspray
Fan speed	30 - 100% (varies based on print geometry)
Print speed	30 - 50 mm/s
Retraction distance	10 mm
Retraction speed	35-45 mm/s

## MECHANICAL PROPERTIES

	unit	value	method
Density	g/cm <sup>3</sup>	1.27	ASTM D1505
Izod Impact strength	KJ/M <sup>2</sup>	6.2	ISO 180 @23°C
Tensile stress at yield	MPa	50	ISO 527
Elongation at yield	%	100	ISO 527

## THERMAL PROPERTIES

	unit	value	method
Melt flow rate	g/10 min	13	ISO 1133-2
Glass transition	°C	79.2	ISO 11357-2