



# rPETg

Black, White, Transparent

Prints like PLA, strong like ABS. Perfect hybrid.

## Description

PETg boasts the printing ease of PLA, combined with the strength and durability comparable to ABS. PET plastic originates from non-renewable sources, and recycling rates remain low. To reduce the consumption of virgin PET, our PETg is produced from PET waste streams – typically from the extrusion process. Overall, rPETg is strong, does not warp, and is odour neutral – a perfect all-rounder ideal for those strong and durable parts. It is even safe for food contact!

		Test Method	Typical Value
<i>Physical Properties</i>	<b>Specific Gravity</b>	ISO 1183	1.27 g/cc
	<b>Melt Flow Rate</b>	ISO 1133	6.4 gr/10 min
	<b>Moisture Absorption</b>	ISO 62	1104 ppm

		Test Method	Typical Value
<i>Mechanical Properties</i>	<b>Impact Strength</b>	ISO 179	8.1 kJ/m <sup>2</sup>
	<b>Tensile Strength at Yield</b>	ISO 527	50.4 MPa
	<b>Strain at Yield</b>	ISO 527	5.9%
	<b>Strain at Break</b>	ISO 527	22.7%
	<b>Tensile Modulus</b>	ISO 527	2020 MPa
	<b>Flexural Modulus</b>	ISO 178	2050 MPa
	<b>Flexural Strength</b>	ISO 178	69 MPa
	<b>Rockwell Hardness</b>	ASTM D785	105

		Test Method	Typical Value
<i>Thermal Properties</i>	<b>Printing Temperature</b>	-	195-235°C
	<b>Heat Deflection Temperature</b>	ASTM 648	70°C

	Diameter	Tolerance	Roundness
<i>Filament Specifications</i>	<b>1.75mm</b>	± 0.05mm	>95%
	<b>2.85mm</b>	± 0.10mm	>95%