



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>	Specific Gravity	ISO 1183	1.27 g/cc
	Melt Flow Rate	ISO 1133	6.4 gr/10 min
	Moisture Absorption	ISO 62	1104 ppm

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

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

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