

# rPETG

## Description

---

PETg has similar strength and durability characteristics to ABS. Our PETg is produced from PET waste streams – typically from the extrusion process. This material is safe for food contact applications.

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

		Test Method	Typical Value
<i>Mechanical Properties</i>	Impact Strength	ISO 179	8.1 kJ/m <sup>2</sup>
	Tensile Strength	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	
<i>Thermal Properties</i>	Printing Temperature	-	195°C - 235°C
	Head Deflection Temperature	ASTM 648	70°C