



rABS

Recycled. Redefined. Revolutionary.

Description

ABS is a common 3D printer filament, famous for its strength. However, ABS is also infamous for warping, having a strong odour whilst printing, and being generally environmentally unfriendly. Filamentive has changed this – rABS features >60% recycled content to reduce the use of raw ABS and consume less energy. We have also ensured that the material has minimal warping, as well as excellent adhesion – both interlayer and to the heated bed. Filamentive rABS has enhanced strength compared to regular ABS – the ideal material if you require strong, lightweight, impact resistant parts.

		Test Method	Typical Value
<i>Physical Properties</i>	Specific Gravity	ISO 1183	1.1 g/cc
	Melt Flow Rate	ISO 1133	41 gr/10 min

		Test Method	Typical Value
<i>Mechanical Properties</i>	Impact Strength	ISO 179	58 kJ/m ²
	Yield Stress	ISO 527	43.6 MPa
	Strain at Break	ISO 527	34%
	E-Modulus	ISO 527	2030 MPa

		Test Method	Typical Value
<i>Thermal Properties</i>	Printing Temperature	-	240-260°C
	Melting Temperature	ISO 11357	235°C ± 10°C
	Viscat Softening Temperature	ISO 306	97°C

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