

ASA

The Perfect Filament for the outdoors

Description

ASA features many of the same properties as our rABS – including high strength and little/no warp – but with the added benefit of UV resistance. As always, we strive for perfection, and the excellent interlayer adhesion ensures great looking, high performance parts. Overall, ASA is the perfect engineering filament for those prints that need to withstand external environments.

		Test Method	Typical Value
Physical Properties	Specific Gravity	ISO 1183	1.11 g/cc
	Melt Flow Rate	ISO 294	245±10°C

		Test Method	Typical Value
Mechanical Properties	Impact Strength	ISO 179	18 kJ/m²
	Tensile Modulus	ISO 527	2020 MPa
	Strain at Yield	ISO 527	47,5 MPa
	Strain at Break	ISO 527	15%

		Test Method	Typical Value
Thermal Properties	Printing Temperature	-	230 - 260°C
	Melting Temperature	ISO 294	230±10°C
	Vicat Softening Temperature	ISO 306	98°C

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