

TECH ASA 301

Material	ASA acrylonitrile-styrene-acrylate
Color	Natural, black
Properties	weather and UV resistance, glossy print surface
Diameter	1.75mm / 2.85mm
Diameter tolerance	+/- 0.05mm
Tolerance roundness	98%
Printing temperature	250-265 °C
Heatbed temperature	90-100 °C
Net weight	0.5kg / 1 kg / 3kg / 9kg
Gross weight	0.85kg / 1.4kg / 3.45kg / 9.04kg
Spool dimensions	200x52x43mm / 200x52x80mm / 200x52x100mm / 355x35x165mm
Packaging	Vacuum packaging, carton box, moisture absorber

**Properties of the ASA 301 material**

PROPERTIES AT 23°C	TEST METHOD	TEST CONDITION	VALUE	UNIT
SPECIFIC GRAVITY	ASTMD792		1.07	G/CM ³
VICAT SOFTENING TEMPERATURE (UNANNEALED)	ASTMD1525	1Kg/cm	105	°C
TENSILE STRENGTH	ASTMD638	6mm/min	440	KG/CM ²
ELONGATION AT BREAK	ASTMD638	6mm/min	55	%
FLEXURAL STRENGTH	ASTMD790	2.8mm/min	650	KG/CM ²
ROCKWELL HARDNESS	ASTMD785	R-scale	105	-
FLAMMABILITY				
UL 94 CLASSIFICATION	UL94	1.5MM SPECIMEN	HB	RECOGNIZED