

ABS

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Everything you need to know about notched izod impact, hardness, heat deflection temperature, and all other advanced properties of ABS.

Production time:	10-15 business days
Standard accuracy:	± 0.1% (min ± 0.2 mm)
Surface finish:	FDM parts typically have a rough surface but all kinds of (very) fine finishing are possible. They can be smoothed and painted.
Maximum part dimensions:	Dimensions are unlimited when the parts may be composed (glued) of several sub-parts. Our build area is 600 x 500 x 600 mm.
Capacity:	3 Fortus 900mc with a build area of 914 x 610 x 914 mm 1 Vantage with a build area of 400 x 350 x 400 mm 6 Fortus 400mc machines with a build area of 355 x 254 x 254 mm 4 Fortus 250mc machines with a build area of 254 x 254 x 305 mm 3 Titan machines with a build area of 400 x 350 x 400 mm 14 Maxum machines with a build area of 600 x 500 x 600 mm

ABS (Acrylonitrile / butadiene / styrene)

	Units	ASTM#	Range
Tensile Strength	MPa	D638	22
Tensile Modulus	MPa	D638	1627
Flexural Strength	MPa	D790	41
Flexural Modulus	MPa	D790	1834
Notched Izod Impact	J/m²	D256	107
Unnotched Izod Impact	J/m²	D256	214
Heat Deflection t°	°C	D648	at 0.45 MPa: 90 at 1.81 MPa: 76
Density	g/cm³		1.05
Elongation at Break	%		6
Colors	Blue, yellow, red, steel grey, green, black, white, grey		

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