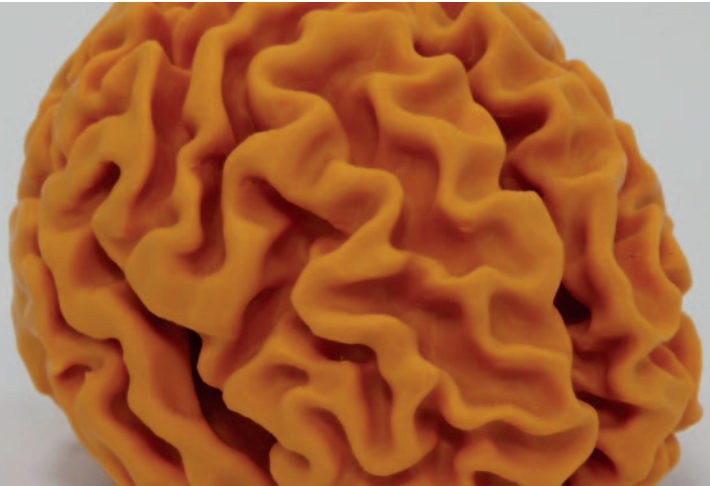


ASA

Fused Deposition Modelling
(FDM)



General use UV stable material with a variety of colour options

ASA has the best surface finish of all the FDM thermoplastics. With outstanding UV stability and mechanical properties that match or exceed ABS, it is an excellent material for manufacturing consistently high-quality parts. ASA also has a wide range of UV stable colours which produce attractive parts suitable for all applications.

Why choose ASA?

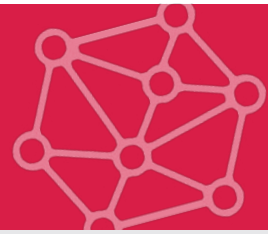
- Greater heat resistance compared to ABS
- Resists fading and significant mechanical degradation over prolonged UV exposure
- Available in 10 different colours
- Matte finish
- All-purpose prototyping material

Applications

- General prototype for automotive parts, sporting goods, consumer parts, tools, jigs and fixtures
- Perfect for outdoor applications

ASA

Fused Deposition Modelling (FDM)



General properties	Value (XY Axis)	Test method
Colour	Black Dark Blue Dark Grey Green Ivory Light Grey Orange Red White Yellow	Visual
Part density	1.05 g/cm ³	ASTM D792

Thermal properties	Value (XY Axis)	Test method
Heat deflection temperature (0.45Mpa)	98° C	ASTM D648
Heat deflection temperature (1.8Mpa)	91° C	ASTM D648

Mechanical properties	Value (XY Axis)	Test method
Tensile strength (ultimate)	33 MPa	ASTM D638
Tensile modulus	2010 MPa	ASTM D638
Elongation at break	9%	ASTM D638
Flexural strength	60 MPa	ASTM D790
Flexural strain at break	No break	ASTM D790
Flexural modulus	1870 MPa	ASTM D790
Impact strength – Izod (notched)	64 J/m	ASTM D256
Impact strength – Izod (un-notched)	321 J/m	ASTM D256

Other	Value (XY Axis)	Test method
Flammability classification	HB	UL94

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Have a question? Call our friendly team on

+44 (0) 800 304 7196

Specifications are subject to change without notice.

The technical data indicated above is an average value of the test result of a part created under proper management and appropriate conditions.
The value is for reference and is not guaranteed.