

ClearScent™ ABS

ClearScent™ ABS is an “easy to use” transparent and almost odourless High Impact MABS (Methyl Methacrylate-Acrylonitrile-Butadiene-Styrene) type of 3D printer filament. When 3D printed, ClearScent™ ABS is almost odourless compared to “normal” ABS, because it only contains a very low percentage of Butadiene.

By being slightly modified unique features like — a transparency of 90%, very limited warping, great thermal stability and flowing behaviour — are obtained with ClearScent™ ABS and still ClearScent™ ABS is much more impact resistant than many other 3D printer filaments.

ClearScent™ ABS is available in a variety of standard vivid translucent colours. All below standard colours can be delivered from stock.

	Clear	RAL ±n/a*
	Translucent Red	RAL ±n/a*
	Translucent Dark Blue	RAL ±n/a*

*RAL coding does not apply to transparent colours.

Any custom RAL, RGB, or PMS colour can be produced. Please contact info@formfutura.com for more information about customization possibilities.

Product details, certifications -&- compliance

HS Code	39169090	
REACH compliant	Yes	
RoHS certified	Yes	
FDA approved	Yes	

Formfutura filaments do not contain any hazardous, or chemical substances. All Formfutura filaments are RoHS certified and REACH compliant.

ClearScent™ ABS has excellent diameter and roundness properties, which are being fully automated laser-measured throughout the entire production process.

Ø	Ø Tolerance	Roundness
1.75mm	±0.05mm	≥ 95%
2.85mm	±0.10mm	≥ 95%

Thermal Properties

Print temp.	±220-260°C	-
Melting temp.	±220-240°C	ISO 294
Melting point	±°C	
Glass transition temp.	±83°C	ASTM D648

Physical properties

Density	1060 Kg/m ³	ASTM D792
Melt Flow Index	12.0 g/10 min	ASTM D1238
Tensile strength	39,4 MPa	ASTM D638
Strain at break	35%	ASTM D638
Flexural modulus	1830 MPa	ASTM D790
Impact Strength	17 KJ/m ²	ISO 180/A
Transparency	90%	ASTM D1003

ClearScent™ ABS

Very low % of
Butadiene

90%
Transparency

Very Limited
Warping

Transparent &
Odourless ABS
Prints