



Hearing Aids

Production-ready systems for Hearing Aids Manufacturing

High quality hearing aids using ultra thin 16 micron layer thickness

- Ultra-thin 16 micron layer thickness
- Produces high-quality, smoothly surfaced Hearing Aids
- Easy to remove support material
- Ease for use versatility reduce time and cost to market
- Three available materials:

FullCure®630 – Clear

FullCure®655 – RoseClear

FullCure®680 – SkinTone



FullCure®630 – Clear



FullCure®655 – RoseClear



FullCure®680 – SkinTone

Smooth surface and high quality hearing aids come together with a fast production approach – bringing all the time-saving and quality benefits of a digital process to the world of hearing aids manufacturing.

Using Objet’s Eden machines, which are based on our unique PolyJet™ technology, you can manufacture hearing aids instruments with maximum productivity and flexibility, and minimum cost.

The solution includes a choice of three resins designed especially for the unique needs of hearing aids, in Clear, RoseClear and SkinTone. The unique resins replacement system makes it easy to

switch between resins: just insert the new resin container and select it using the enhanced software wizard.

The gel-like support material, used with all the mold resins, is easily removed using a water-jet, leaving clean, smooth surface hearing aids.

Objet Studio™ network software enables full trays to be printed from any workstation in your facility, further reducing your labor costs and training time.

With Objet, you can enjoy a lower cost per part in a production integrated system and boost your performance and productivity.

Property	ASTM	Clear FC630		RoseClear FC655		SkinTone FC680	
		Metric Units	Imperial Units	Metric Units	Imperial Units	Metric Units	Imperial Units
Tensile Strength	D-638-03	46.8 MPa	6786 psi	46.8 MPa	6786 psi	56 MPa	8120 psi
Modulus of Elasticity	D-638-04	2237.3 MPa	324409 psi	2237.3 MPa	324409 psi	2700.6 MPa	391587 psi
Elongation at Break	D-638-05	20 %	20 %	20 %	20 %	10 %	10 %
Flexural Strength	D-790-03	76.1 MPa	11035 psi	76.1 MPa	11035 psi	92.8 MPa	13456 psi
Flexural Modulus	D-790-04	2251.7 MPa	326497 psi	2251.7 MPa	326497 psi	2590 MPa	375550 psi
Izod Notched Impact	D-256-06	23.2J/m	0.43 ft lb/in	23.2J/m	0.43 ft lb/in	22.2 J/m	0.42 ft lb/in
Shore Hardness	Scale D	83 Scale D	83 Scale D	83 Scale D	83 Scale D	85 Scale D	85 Scale D
HDT at 0.45 MPa	D-648-06	41.3 °C	106 °F	41.3 °C	106 °F	56.5 °C	134 °F
HDT at 1.82MPa	D-648-07	44.9 °C	113 °F	44.9 °C	113 °F	51.3 °C	124 °F
Tg	DMA, E''	44.9 °C	113 °F	44.9 °C	113 °F	58.5 °C	137 °F
Water Absorption	D570-98 24 Hr	0.5 %	0.5 %	0.5 %	0.5 %	0.7 %	0.7 %

About Objet Geometries

Objet Geometries Ltd., the innovation leader in 3D printing develops, manufactures and globally markets ultra-thin-layer, high-resolution 3-Dimensional printing systems and materials that utilize PolyJet™ Polymer Jetting technology, to print ultra-thin 16-micron layers.

The market-proven Eden™ line of 3D Printing Systems and the Alaris™30 3D desktop printer are based on Objet’s patented office-friendly PolyJet™ Technology. Connex500™ is based on Objet’s PolyJet Matrix™ technology, which jets multiple model materials simultaneously and creates composite Digital Materials™ on the fly. All Objet systems use Objet’s FullCure® materials to create accurate, clean, smooth and highly detailed 3-dimensional models.

Objet’s solutions enable manufacturers and industrial designers to reduce cost of product development cycles and dramatically shorten time-to-market of new products. Objet systems are in use by world leaders in many industries, such as automotive, electronics, toy, consumer goods, and footwear industries in North America, Europe, Asia, Australia and Japan.

Founded in 1998, Objet serves its growing worldwide customer base through offices in USA, Europe and Hong Kong, and a global network of distribution partners. Objet owns more than 50 patents and patent pending inventions.

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