

Production-ready system for Hearing Aids manufacturing

Objet Geometries



## 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®640 - Clear

FullCure®660 - Rose Clear

FullCure®680 - Skin Tone

# Hearing Aids



## Production-ready system for Hearing Aids manufacturing

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 aid molds 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, rose clear and skin tone. The unique resin 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.



Objet's PolyJet technology jets ultra-thin 16-micron layers, building a full tray of smooth-surfaced hearing aids.



A choice of three resins meets the needs of a wide range of hearing aids.

Properties	Standard Procedure	FullCure®640	FullCure®660	FullCure®680
<b>Tensile Strength MPa</b>	D-638	43.1	43.1	56.0
<b>Elongation at break, %</b>	D-638	18	18	10.40
<b>Modulus of Elasticity, MPa</b>	D-638	1931.0	1931.0	2700.6
<b>Flexural Strength, MPa</b>	D790	63.2	63.2	92.8
<b>Flexural Modulus, MPa</b>	D790	1833.0	1833.0	2590.0
<b>Izod Notched Impact, J/m</b>	D256	45.0	45.0	32.7
<b>SHORE</b>	Scale D	84.0	84.0	85.0
<b>Heat Distortion Temperature, C</b>	D648 @ 0.45MPa	46.1	46.1	56.5
	@ 1.82MPa	41.5	41.5	51.3
<b>Tg, °C</b>	DMA, E"	63.3	63.3	58.5

### About Objet Geometries

A pioneer in jetting photopolymers, Objet Geometries Ltd. develops, manufactures and globally markets ultra-thin layer 3-Dimensional Printing Systems and materials that utilize PolyJet™ Polymer Jetting technology. PolyJet technology and Objet's high-speed product platform offer accurate, clean, smooth and highly detailed 3-Dimensional models suitable for use in an office-type facility. PolyJet technology enables manufacturers and industrial designers to reduce product development cycles and dramatically shorten time-to-market of new products in many industries. Objet's solutions are in use by world leaders in the automotive, electronics, toy, consumer goods, and footwear industries in North America, Europe, Asia, Australia and Japan. Founded in 1998, Objet is privately owned and holds more than 40 granted and pending patents.

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