*Honeycomb panel characteristics and production*

**Characteristics**

Refs

<https://www.faa.gov/regulations_policies/handbooks_manuals/aircraft/amt_airframe_handbook/media/ama_ch07.pdf>

**Production**

Watch Youtube !!

<https://www.youtube.com/watch?v=JDhNXk4M2Xg>

https://www.youtube.com/watch?v=DsQ8JGBhR-8

Refs

**Forums advice Instructions**

<http://www.instructables.com/id/Carbon-Fiber-Aircraft-Flap/>

Release agents

Wax or PTFE or ……….

Inserts

ClipNuts

https://www.clipnuts.com/products/potted-in-inserts/styles.html

**Documentation**

Honeycomb Technology : Materials, Design, Manufacturing, Applications and Testing)] [By (author) T.N. Bitzer] published on (October, 1997

<https://www.amazon.co.uk/Honeycomb-Technology-Materials-Manufacturing-Applications/dp/B017TGYLPW/ref=sr_1_2?ie=UTF8&qid=1509528991&sr=8-2&keywords=Honeycomb+Technology%3A+Materials%2C+Design%2C+Manufacturing%2C+Applications+and+Testing>

<https://books.google.fr/books?id=b-vqCAAAQBAJ&pg=PA89&lpg=PA89&dq=honeycomb+panel+layup&source=bl&ots=UxcpJsHhx9&sig=UmcLwf6zE2rGc0yfOtBJ9KIcP8M&hl=fr&sa=X&ved=0ahUKEwiP5a_Th53XAhXJPxoKHSZcAXMQ6AEIVTAK#v=onepage&q=honeycomb%20panel%20layup&f=false>

**Calculation**

<http://www.excelcalcs.com/repository/strength/plates/honeycomb-beam-%26-panel-calculations/>

**Suppliers**

Plascore

<https://www.plascore.com/honeycomb/honeycomb-cores/aluminum/>

<https://www.plascore.com/download/datasheets/plascore_panels/Plascore-Honeycomb-Panels.pdf>

<http://www.fibreglast.com/category/Vacuum_Bagging_Sandwich_Core?utm_source=youtube&utm_medium=social%20media&utm_campaign=Jan2015Videos>

<https://onlinemetalsupply.com/aluminum/sheets-honeycomb/> USA

<http://www.econcore.com/en/technology/honeycombs> Belgium

Nida-Core. 541 NW Interpark Place Col. Port St Lucie, Port St. Lucie, Florida C.P. 34986. USA

<https://alucoil.com/northamerica/> USA

<http://www.fiber-tech.net/uploads/pdf/Product%20Data%20-%202015%20HONEYCOMB.pdf> USA.

<https://www.mirrormetals.com/products/aluminum/aluminum-honeycomb-sandwich-panels/> USA

RangerRoy HexGrid from amazon.com in USA

Many companies in China.

<http://www.made-in-china.com/products-search/hot-china-products/Honeycomb_Panel.html?gclid=EAIaIQobChMIieGf3Kfc2AIVFp4bCh1uVgwvEAMYAyAAEgIydvD_BwE>

OK

<http://www.normanton.co.uk/honeycombs/honeycombs.htm>

World

http://www.honeycomb.world/aluminium-honeycomb

Core Materials

Divinycell

<http://www.diabgroup.com/en-GB/Products-and-services/Core-Material/Divinycell-H#>

Mexico

**[Conitex Sonoco Mexico](http://www.honeycomb.world/mexico/tizayuca/paper-honeycomb/conitex-sonoco-mexico)** [- paper honeycomb](http://www.honeycomb.world/mexico/tizayuca/paper-honeycomb/conitex-sonoco-mexico)

|  |  |
| --- | --- |
| **Specialties:** | pallets |

Tizayuca, Hidalgo, Mexico +52-779-79-64035

## **[CorrugatedPallets.com Mexico](http://www.honeycomb.world/mexico/guadalajara/paper-honeycomb/corrugatedpalletscom-mexico)** [- paper honeycomb](http://www.honeycomb.world/mexico/guadalajara/paper-honeycomb/corrugatedpalletscom-mexico)

|  |  |
| --- | --- |
| **Specialties:** | pallets |

Guadalajara, Jalisco, Mexico 01-33-36-19-03-51