

## ARCHCELL®泡沫的烘干

如果不是放置在完全密封的铝箔袋中，ARCHCELL®会吸收空气中的水分，泡沫吸潮以后，会降低压缩蠕变性能，这样在一定的温度和压力下，例如在热压罐，RTM 或模压的过程中，会影响材料的尺寸稳定性。所以使用之前必须先烘干，消除加工中出现水蒸汽，提高对抗压缩蠕变性能。

通常，以 2 – 3°C/分钟的速度加热，在空气循环烘箱中，在 130°C 的温度下，烘干最短 3 小时。这个过程，板材必须要相互间隔至少 35mm。同时必须严格执行板材放置和温控的要求。在板材的厚度大于 25.4mm 的时候，需要延长干燥时间。

## Drying of ARCHCELL®

ARCHCELL® will absorb moisture from the air, if it is not placed in the completely sealed moisture-proof aluminum bags. As a result of moisture up-taken, the compression creep resistance will be mainly reduced. Thus, under a certain temperature and pressure (in the autoclave, RTM or mold-pressing), the dimension stability of PMI foam will be affected. So we recommend that ARCHCELL® be dried before using, which can eliminate the generate steam during process and improves its creep behavior.

The sheets should be dried at minimum 3hrs at 130°C (2-3°C/min) by using a heating cabinet with air circulation. During this drying process, each panel shall be separated from adjacent panels by not less than 35mm. All precautions regarding placement and accurate temperature control shall be strictly maintained. It's necessary to prolong the drying duration when the sheet thickness is more than 25.4mm.

