



Green Cell Foam is a starch-based foam that is biodegradable (ASTM D6400) compostable and water-soluble. These attributes make Green Cell the most environmentally friendly fabricated packaging material available. These same attributes bring rise to the questions of dimensional stability in extreme environments, high humidity and temperature as well as low temperatures. There are currently no ASTM standard testing requirements for these physical properties, although, they are currently being written because of Green Cell Foam. These standards will include the testing protocol that was used to produce the Humidity Test Results for Green Cell. The tests were conducted on an industry standard packaging system, RSC 200# 'C' flute, Kraft corrugated box sealed with Green Cell Foam on the inside. Tests were conducted at 95% RH \pm 5% at 98.6° F for a period of 48 hours. Conclusions indicate that the material weight and dimensional change was less then the margin of error expected during such procedures.

Green Cell Humidity Test

