

February 21, 2011

Re: Testing of the Polylok 2½" & 3" Round Base Chair - Part No. 3059-RC2

To Whom It May Concern:

This report documents the results of the testing on the 40 Polylok Round Base Chairs that was performed on February 7, 2011. The testing was conducted at Polymold, Inc. in Wallingford, CT and was witnessed and verified by Stonel Associates. These parts were injection molded from reprocessed Polypropylene. This resin contained 100% recycled Post Consumer and Post- Industrial materials.

Twenty Round Base Chairs were tested for the integrity of the 2½" dimension and another twenty Round Base Chairs were tested for the integrity of the 3" dimension. All testing adhered to the Florida Department of Transportation Specification numbers 415-5.13.1 and 415-5.13.3.

The testing was performed using a 6-ton Bench Press manufactured by Central Hydraulics. It contained a 4-ton hydraulic pump with a large accurate pressure gauge.

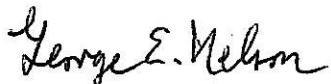
At room temperature, 72 degrees F, twenty parts all measured 2.50 inches in height at no load and 2.44 inches in height when subjected to a 300-pound pressure. This .06-inch deflection represents a 2.4% reduction in height. Another twenty parts all measured 3.00 inches in height at no load and 2.94 inches in height when subjected to a 300-pound load. This .06- inch deflection represents a 2.0% reduction in height.

At a temperature of 150 degrees F, twenty parts all measured 2.50 inches in height at no load and 2.41 inches in height when subjected to a 300-pound pressure. This .09-inch deflection represents a 3.6% reduction in height. Another twenty parts all measured 3.00 inches in height at no load and 2.89 inches in height when subjected to a 300-pound load. This .11-inch deflection represents a 3.6% reduction in height.

At a temperature of 20 degrees F, twenty parts all measured 2.50 inches in height at no load and 2.46 inches in height when subjected to a 300-pound pressure. This .04- inch deflection represents a 1.6% reduction in height. Another twenty parts all measured 3.00 inches in height at no load and 2.96 inches in height when subjected to a 300-pound load. This .04-inch deflection represents a 1.3% reduction in height.

All forty Round Base Chairs were accurately weighed and then immersed in 76-degree F water for a 60- hour period and then weighed again. There was no measurable change in weight in any of the parts.

Sincerely,



George E. Nelson  
President