

SOUTHWESTERN LABORATORIES

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W/O. No.: RUM004-06-08-61109-1
P.O. No.:
Report Date: 6/14/2004

PROJECT INFORMATION

Material : HLMI PLASTIC WITH 6% RUBBER
Test: Retraction and Expansion at Prescribed Temperatures

Method: Four strips of material, 5" length x 1" wide x 1/4" thick were prepared. Each was measured at numerous locations to provide accurate length, width, and thickness results. Two strips were placed into a 160°F oven, and measured at the same locations, every 30 minutes over a period of two hours, until no further expansion was noted. The remaining two strips were immersed into an alcohol bath at -40°F. Measurements of the length, width, and thickness were made every 5 minutes for a period of 20 minutes. After 20 minutes, not retraction, or shrinkage, of the material was noted.

TEST RESULTS

Retraction (Shrinkage) of HLMI Plastic, with 6% rubber at -40°F
Width = - 0.72% Thickness = - 0.52% Length = - 0.55%

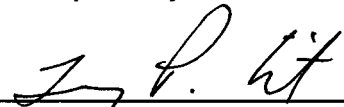
Thermal Expansion of HLMI Plastic, with 6% rubber at +160°F
Width = + 0.54% Thickness = + 0.40% Length = + 0.2%

All samples returned to their original dimensions after resting in ambient conditions.

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Stork SWL, is an operating unit of Stork Materials Technology B.V., Amsterdam, The Netherlands, which is a member of the Stork group

Respectfully Submitted


Terry Wilt
Manager, Product Evaluation