

### Material Test Certificate

Test Date	10 April, 2011
Component(s) Tested	Platelock P/N PL60; Platelock, 5ft
Purchase Order Number	n/a
Work Order Number	302066
Test Specification	PMT-DPT-01
Quantity Tested	4
Test Force	1,600 lb., 3,200 lb.
Test Results	See Table

TEST RESULTS				
STYLUS	FORCE	LOCATION	YIELD	RUPTURE
1.00 x 2.00, R0	3200 lb	Over Rib	NO	NO
1.00 x 1.00, R0	1600 lb	Over Rib	NO	NO
1.00 x 1.00, R0	1600 lb	Partially Over Rib	NO	NO
1.00 x 1.00, R0	1600 lb	Over Clear Span, No Rib	YES	YES
1.25 x 1.25, R0.125	1600 lb	Over Clear Span, No Rib	YES	NO
RESULTS SUMMARY				
<p>Any application of 1600 psi over an area greater than 2 square inches, and with perimeter less than 6 inches results in NO rupture and NO yield.</p> <p>Any application of 1600 psi with an area of 1 square inch or greater that extends over one or more underlying structural ribs results in NO rupture and NO yield.</p> <p>Application of 1600 lbf with 1.25 x 1.25 inch stylus having edge radius of 1/8" over the clear-span area (no underlying ribs) results in yield to the extent where the perimeter of the stylus bears upon the outlying ribs, at which point part deformation halts. Part remains permanently deformed locally, but NO rupture occurs.</p>				

Certified By:  : Eric S. Foy