



Attention:

W/O. No.: POL001-04-08-66316-1  
P.O. No.:  
Report Date: 4/8/2010

Sample ID PCE092A

**SHEAR STRENGTH TEST RESULTS**  
Method: ASTM D732  
Shear Strength of Plastics by Punch Tool

**SINGLE PLY**

Test #	Thickness (in.)	Punch Diameter (in.)	Shear Area (in <sup>2</sup> )	Shear Load (lbs)
1	0.32	0.995	1.00	7,540
2	0.32	0.995	1.00	8,072
3	0.32	0.995	1.00	8,338
4	0.31	0.995	0.97	8,196
5	0.31	0.995	0.97	8,098
Average	---	---	---	8,049

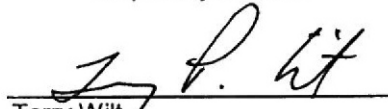
**DOUBLE PLY**

Test #	Thickness (in.)	Punch Diameter (in.)	Shear Area (in <sup>2</sup> )	Shear Load (lbs)
1	0.64	0.995	2.00	8,629
2	0.63	0.995	1.97	8,788
3	0.62	0.995	1.94	8,701
4	0.64	0.995	2.00	8,801
5	0.66	0.995	2.06	8,792
Average	---	---	***	8,742

Our letters and reports are for the exclusive use of the client to whom they are addressed and shall not be reproduced except in full without the approval of the testing laboratory. The use of our name must receive our written approval. Our letters and reports apply only to the sample tested and/or inspected, and are not indicative of the quantities of apparently identical or similar products. Unless otherwise noted all test methods and specifications are to the most current revision. Material submitted to our metals department will be discarded after a period of 30 days unless otherwise directed.

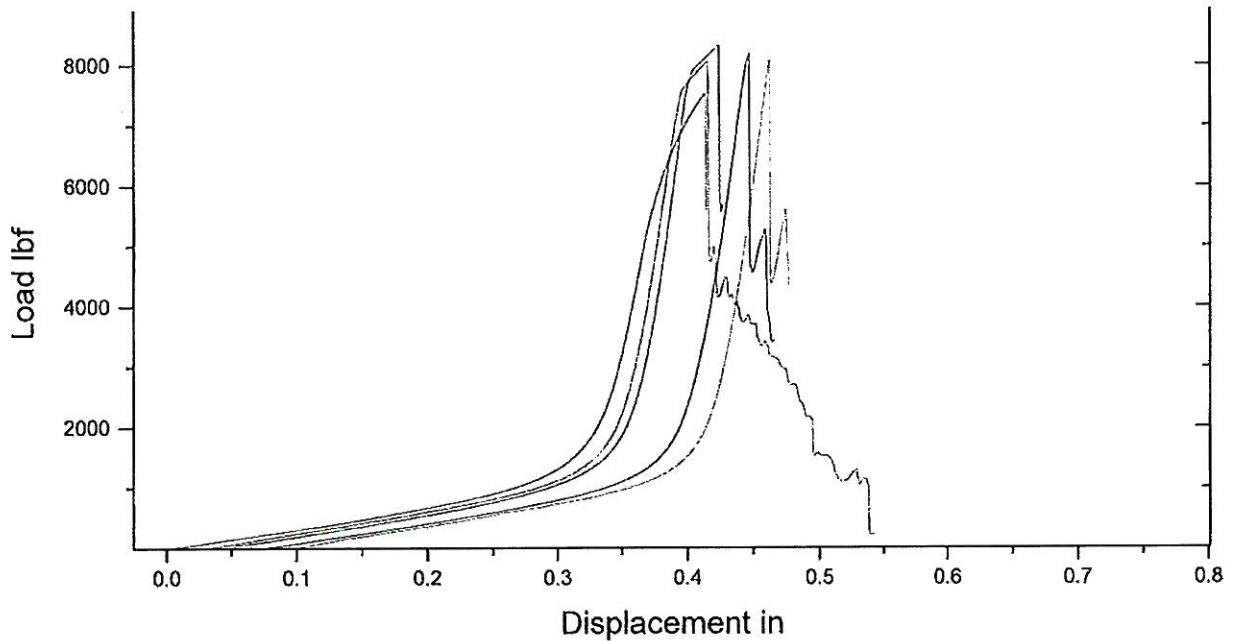
Stork SWL is an operating unit of Stork Materials Technology B.V., Amsterdam, The Netherlands, which is a member of the Stork group

Respectfully Submitted

  
Terry Wilt  
Manager, Product Evaluation

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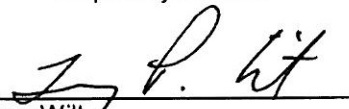


**Single Ply Shear**

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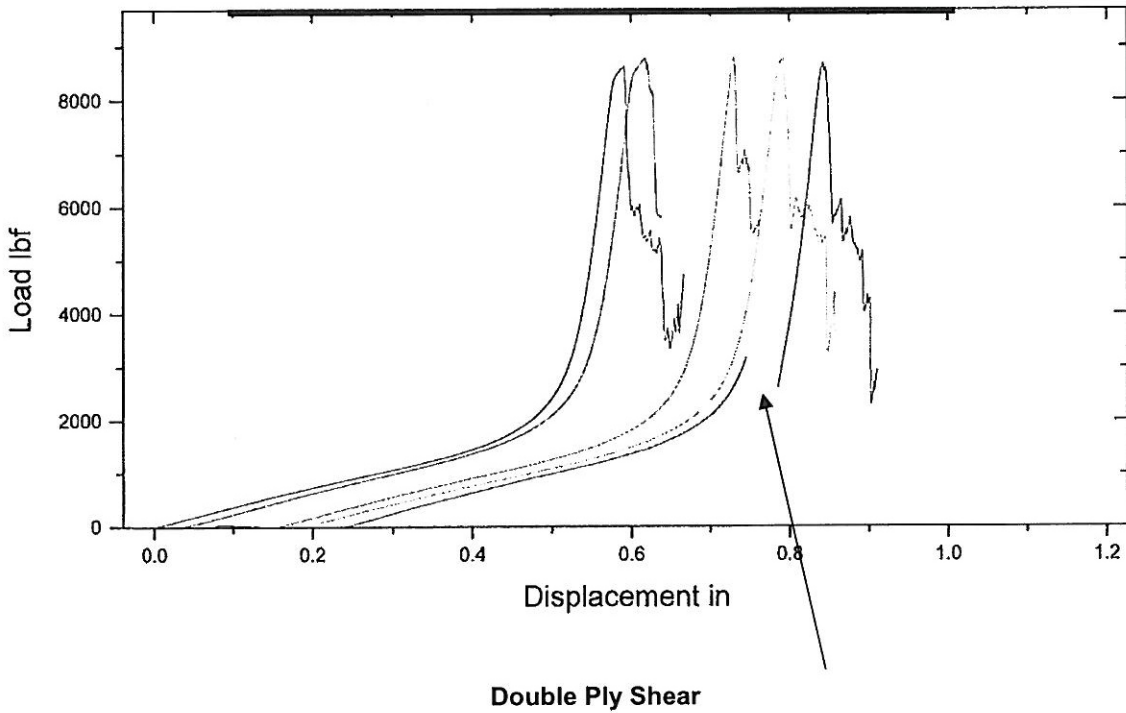
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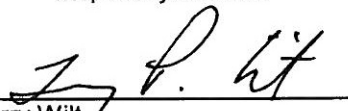


**There was a program error causing a start/stop point during testing of one sample;  
this can be noted in the graph near the arrow**

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