



SMITH-EMERY LABORATORIES

An Independent Commercial Testing Laboratory

781 E. Washington Boulevard, Los Angeles, California 90021 ♦ (213) 745-5333 ♦ Fax (213) 749-7232

Proj./Job No.: 45036-1
Lab No.: T-17-086

January 5, 2018

Client: **E.V. MATERIALS CORP.**
1305 N. Knollwood Circle
Anaheim, CA 92801
Attn: Francis Hemele

Subject: **FLEXURAL Test on BLACK PLASTIC Material**
Test Method: ASTM D 790- Standard Test Method for Flexural Properties of Plastics
Source : Submitted to Laboratory by Client.

Report of Tests

FLEXURAL (BENDING) TEST

Test samples were prepared by cutting into designated shape and size; conditioned, then tested in general accordance with the specification. Deflection (Strain) was measured using a variable resistance string potentiometer, located at the bottom of the test sample.

Results are as follows:

Test No.	Width (in.) "b"	Thickness (in.) "d"	SPAN (in.)	Max Load lbs.	FLEXURAL Strength, PSI	Remarks
1.	0.743	0.206	3.50	24	3,996	
2.	0.743	0.203	3.50	25	4,287	
3.	0.743	0.204	3.50	23	3,905	
4.	0.742	0.204	3.50	27	4,590	
5.	0.740	0.206	3.50	26	4,347	

Average, PSI: **4,225**

* PSI Strength were calculated to the nearest 10 pounds

Respectfully Submitted;

SMITH - EMERY LABORATORIES

G. Janeth Quintero

Registered Civil Engineer No.: C 73066

Registration Expires : 12-31-18



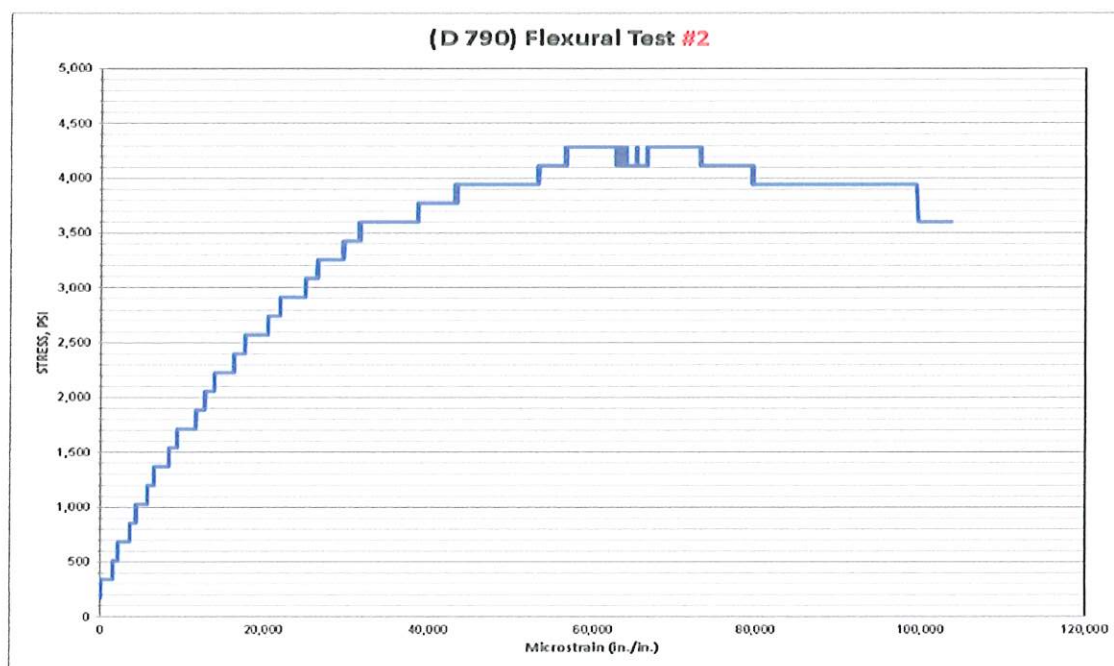
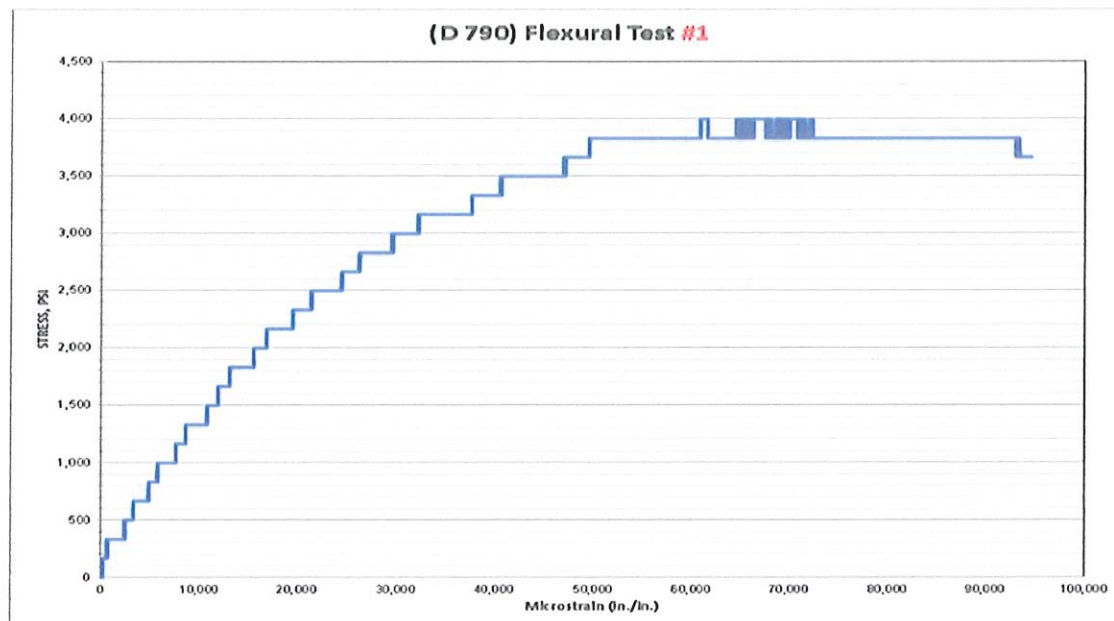
- ☐ Materials Tested Comply With Specifications.
- ☐ Materials Tested Did Not Comply With Specifications.
- ☐ No Established Criteria for Acceptable Limits.
- ☒ For Information Only.

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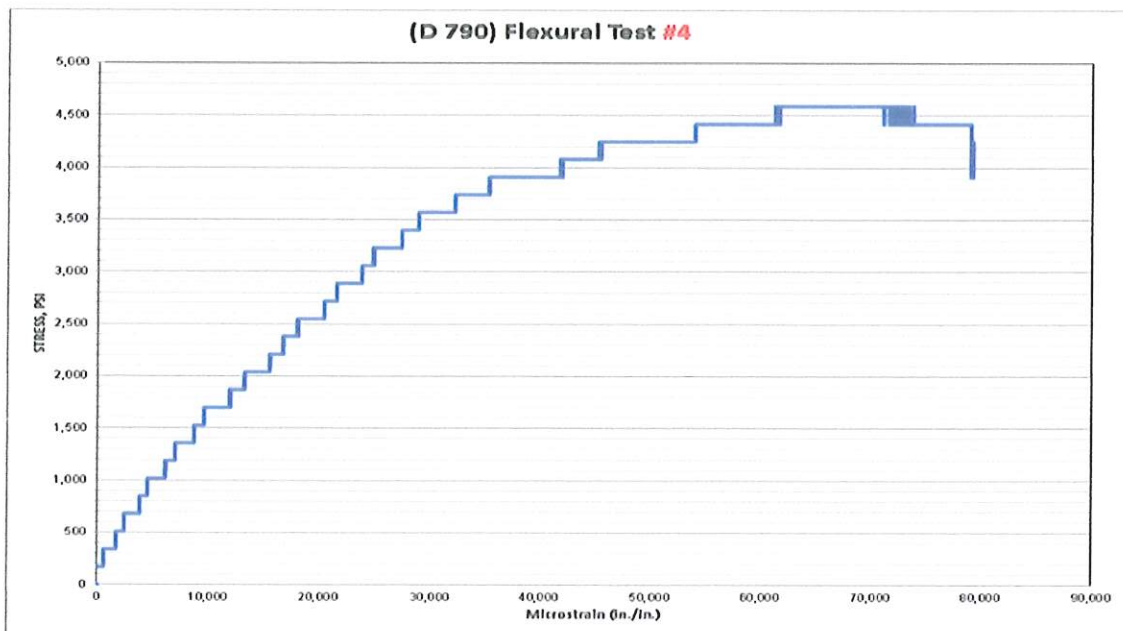
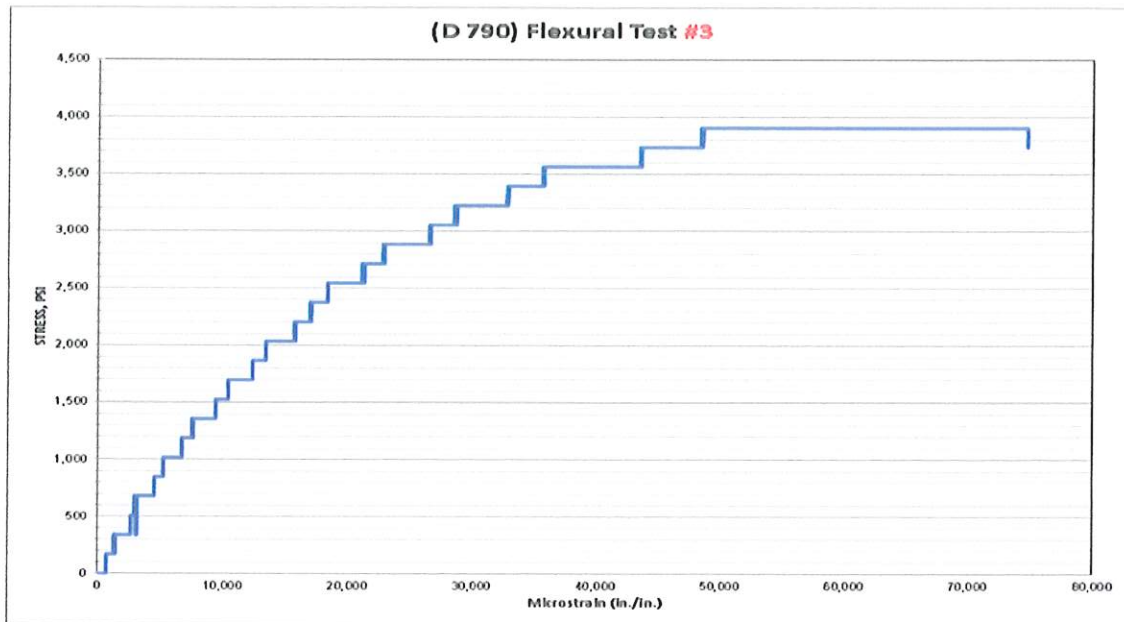




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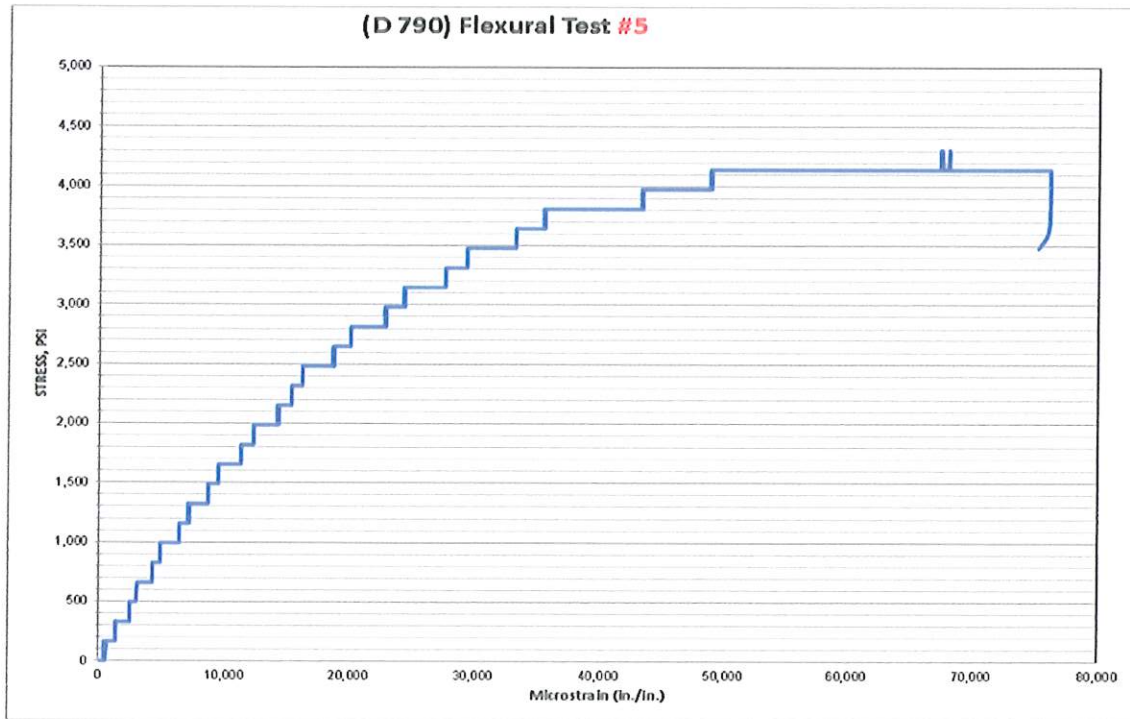




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Client: **E.V. MATERIALS CORP.**
1305 N. Knollwood Circle
Anaheim, CA 92801
Attn: Francis Hemele

Subject: **Tensile Test on BLACK PLASTIC Material**
Test Method: ASTM D 638 - Standard Test Method for Tensile Properties of Plastics
Source : Submitted to Laboratory by Client.

Report of Tests

TENSILE TEST

Test samples were prepared by cutting into designated shape and size; conditioned, then tested in general accordance with the specification. Deformation (Strain) was measured using an extensometer attached to the test sample.

Results are as follows:

Test No.	Width (in.) "b"	Thickness (in.) "d"	Area (sq.in.)	Max Load lbs.	TENSILE Strength, PSI	Estimated Modulus of Elasticity (PSI)
1.	0.500	0.2074	0.104	416	4,010	192,143
2.	0.500	0.2035	0.102	422	4,150	207,606
3.	0.500	0.1996	0.100	408	4,090	188,108
4.	0.500	0.2074	0.104	398	3,840	179,286
5.	0.500	0.2002	0.100	408	4,080	180,964

Average, PSI: **4,034**

* PSI Strength were calculated to the nearest 10 pounds

Respectfully Submitted;

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G. Janeth Quintero
Registered Civil Engineer No.: C 73066
Registration Expires : 12-31-18



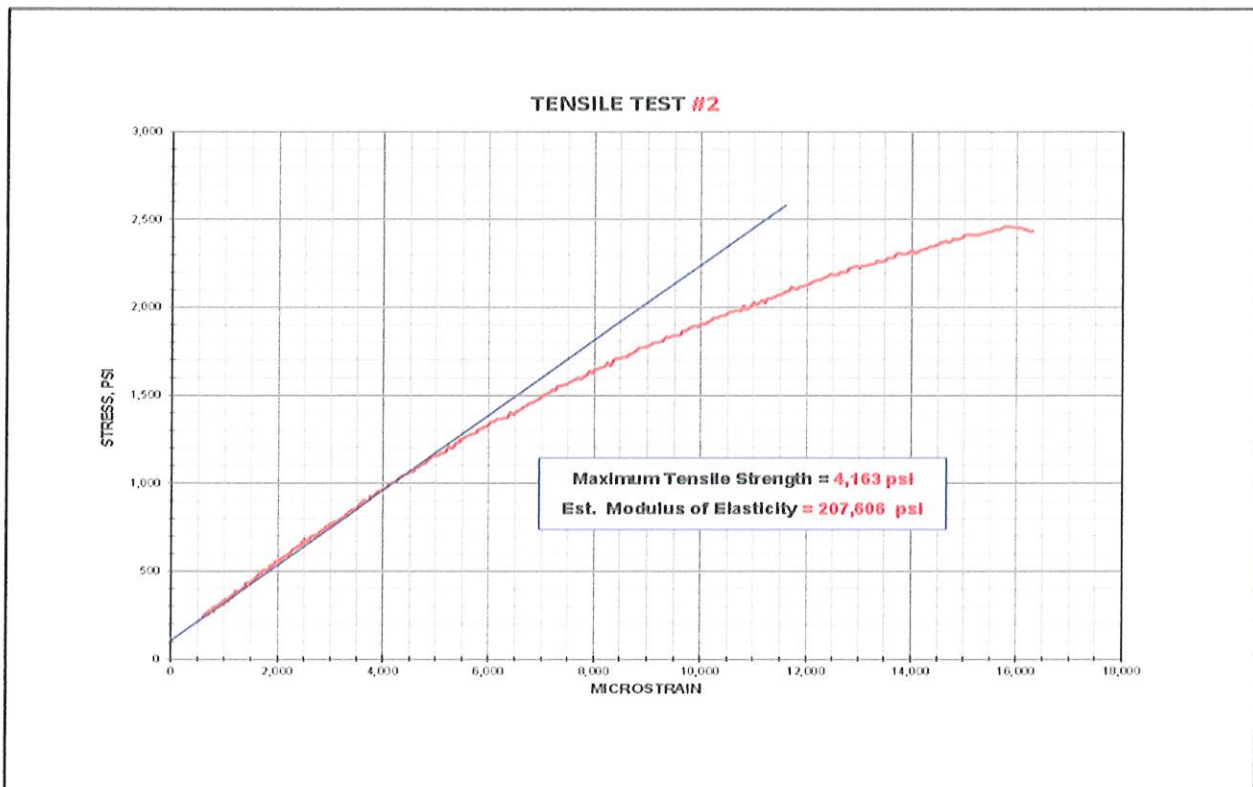
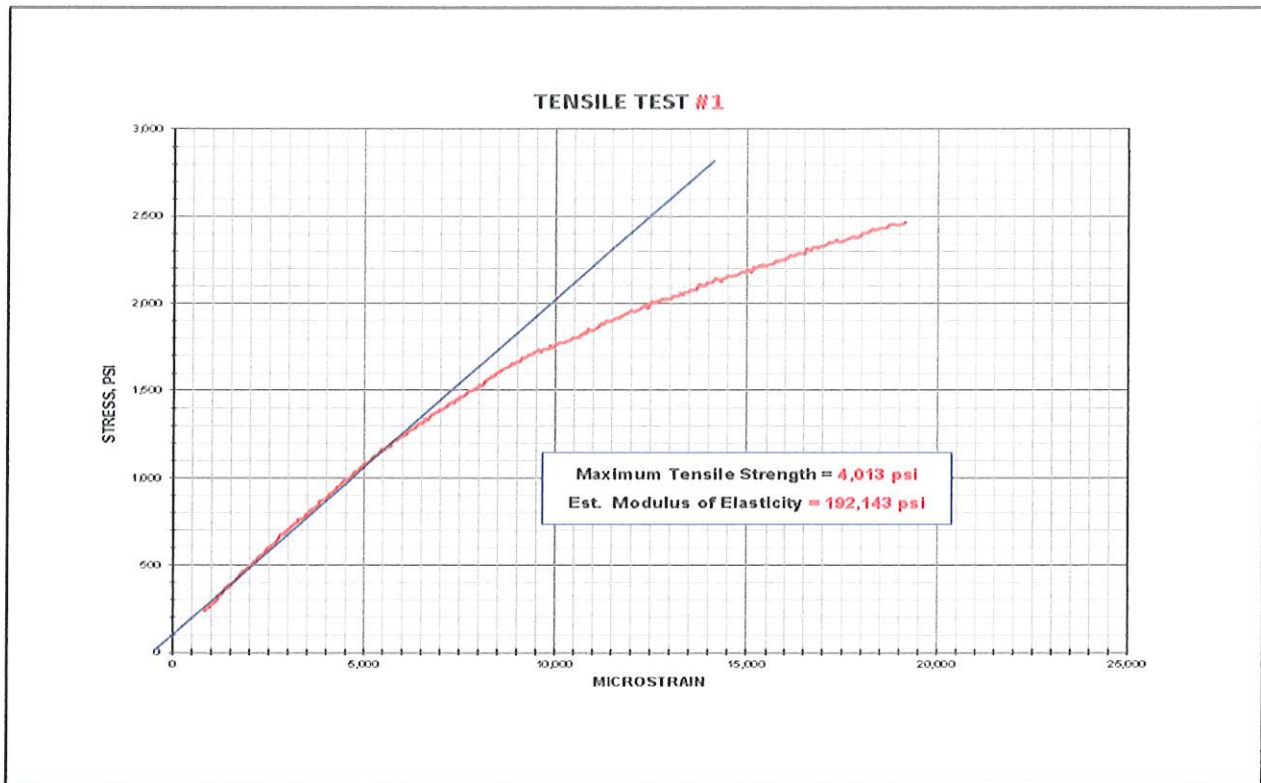
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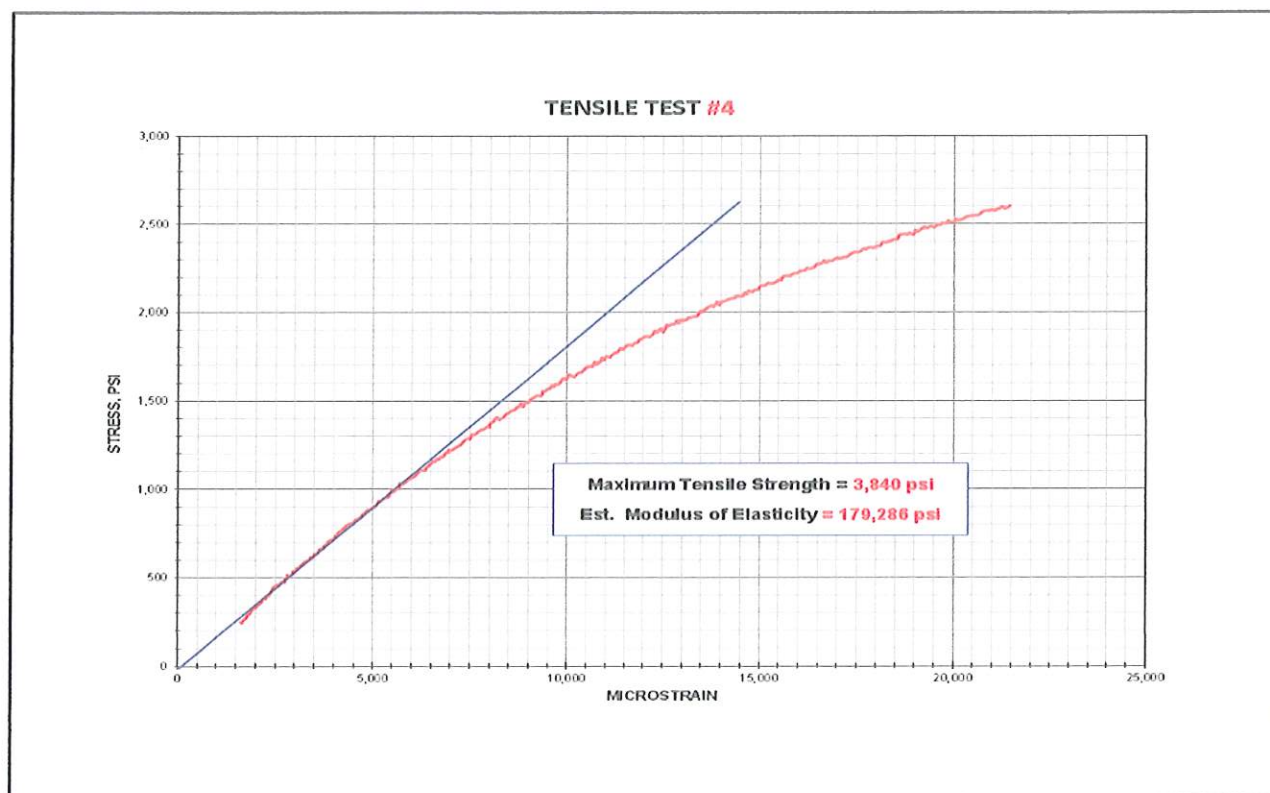
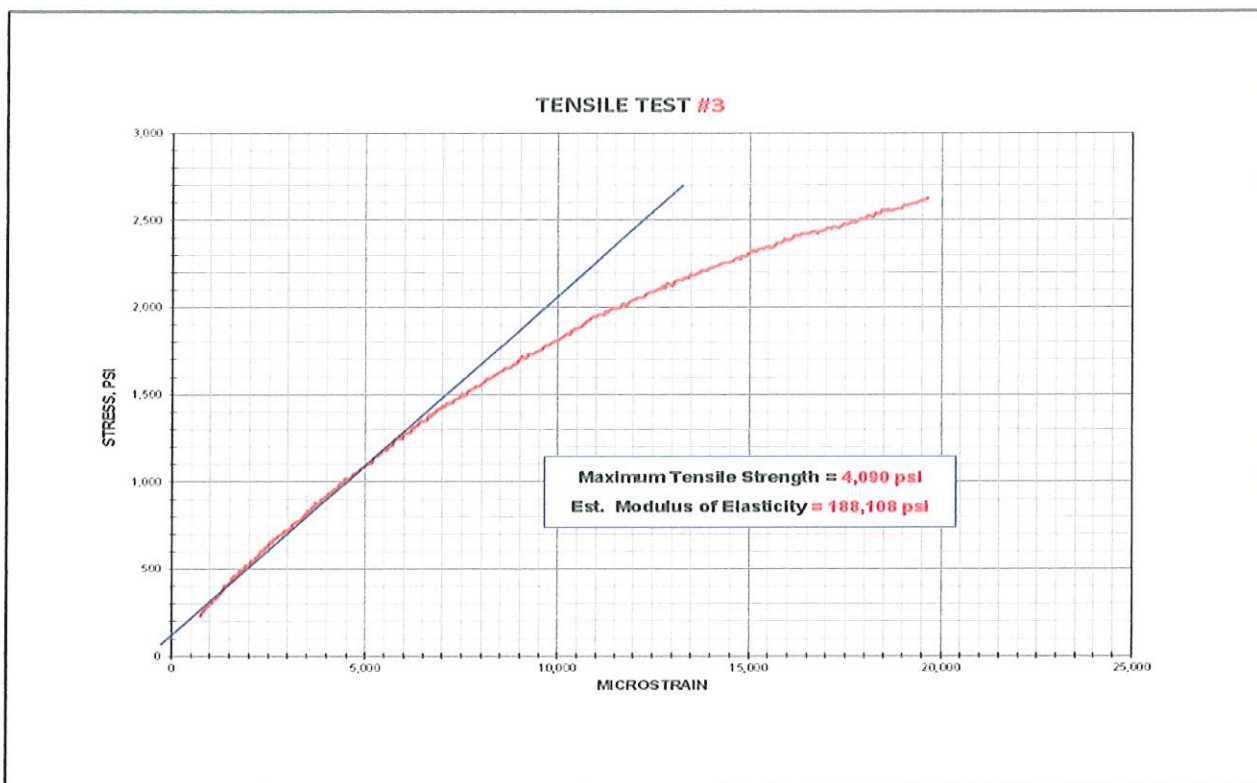
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