



**NSF International**

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# FINAL TEST REPORT

**Send To: 1Q090**

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Republic of Korea

**Facility: 1Q092**

Hyundai Engineering Plastic Co., Ltd.  
690, Kwanghyewon-Li, Kwanghyewon-Myun  
Jincheon-Gun, Chungbuk 365-830  
Republic of Korea

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**Result: PASS**

Report Date: 21-Aug-2013

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Customer Name: Hyundai Engineering Plastic Co., Ltd.  
Tested To: D2837-12 and PPI TR3-2012 (E10 @ 180°F)  
Description: 1/2" PEX tubing  
Test Type: HDS Testing  
Trade Designation: Polylink XP650 / XC200  
Job Number: J-00109471  
Project Number: 9127093 (PL01)  
Project Manager: Sarah Meagrow

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**Thank you for having your product tested by NSF International.**

Please contact your Project Manager if you have any questions or concerns pertaining to this report.

**Report Authorization:** \_\_\_\_\_

Ata Ciechanowski, P.E.  
Assistant Director, Engineering Lab



### Test Results and Data

OD	Wall Thick.	Stress	Time	Pressure	Environment	Failure Type
0.628	0.072	1004	19	260	Water	Ductile
0.627	0.073	968	4	255	Water	Ductile
0.627	0.073	949	22	250	Water	Ductile
0.628	0.072	927	262	240	Water	Ductile
0.628	0.072	946	33	245	Water	Ductile
0.626	0.073	909	1207	240	Water	Ductile
0.627	0.073	937	23	247	Water	Ductile
0.627	0.073	971	2	256	Water	Ductile
0.627	0.072	964	25	250	Water	Ductile
0.627	0.072	933	180	242	Water	Ductile
0.627	0.073	911	475	240	Water	Ductile
0.626	0.073	901	3757	238	Water	Ductile
0.626	0.073	898	2344	237	Water	Ductile
0.627	0.072	940	142	244	Water	Ductile
0.626	0.073	943	25	249	Water	Ductile
0.627	0.073	835	10246	220	Air	No Failure
0.627	0.073	835	10246	220	Air	No Failure
0.627	0.072	821	10012	213	Air	No Failure
0.627	0.072	913	1608	237	Water	Ductile
0.627	0.073	899	1790	237	Water	Ductile
0.626	0.073	898	4197	237	Water	Ductile

**Regression Curve Equation:**  $\text{Log}(t) = 140.086 - 46.464 \text{Log}(\text{stress})$

**LTHS =** 808 psi

**LCL =** 771 psi

**LCL/LTHS Ratio =** 0.956

**REQUIRED HDB=** 800 psi

**HDB =** 800 psi

