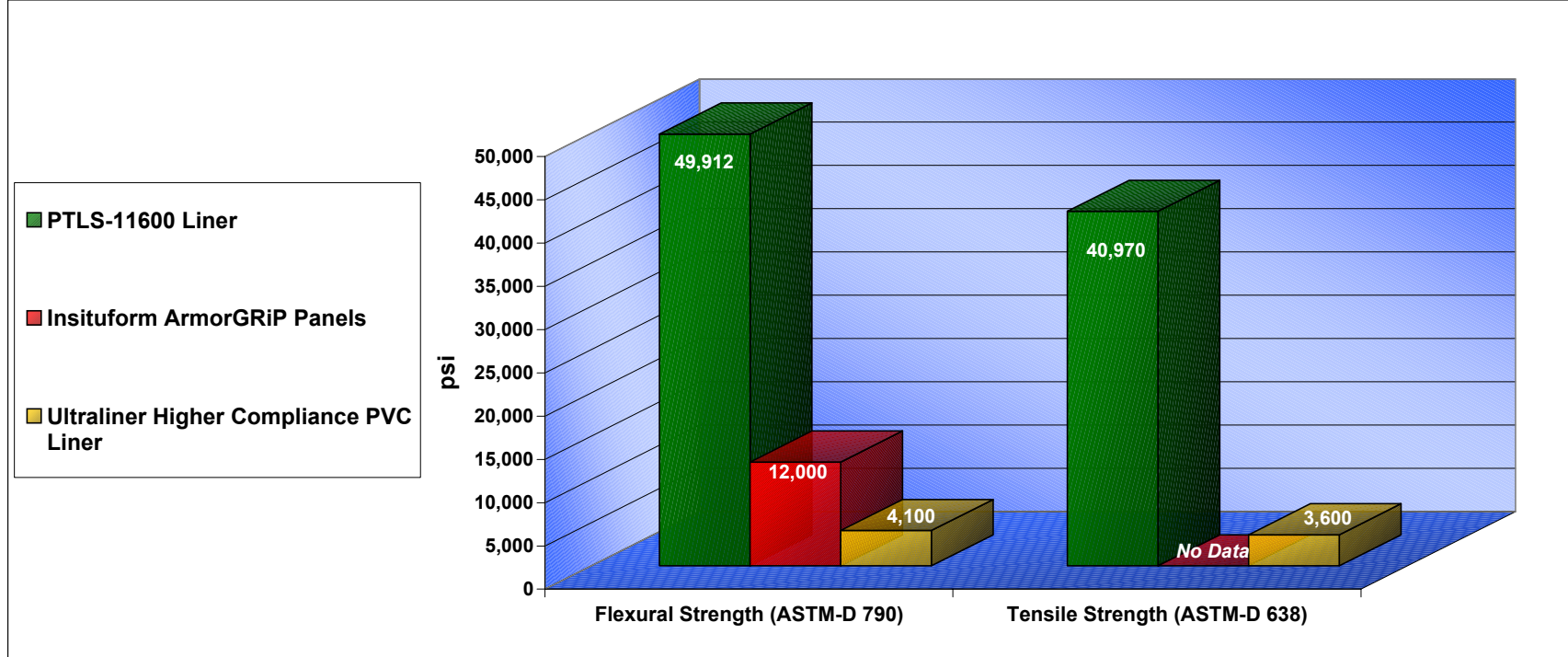


# A Comparison of Culvert Rehabilitation Strength

	<i>Poly-Triplex of Texas</i>	<i>Insituform, Inc.</i>	<i>Ultraliner, Inc.</i>
	<b>PTLS-11600 Liner</b>	<b>Insituform ArmorGRIP Panels</b>	<b>Ultraliner Higher Compliance PVC Liner</b>
Flexural Strength (ASTM-D 790)	49,912	12,000	4,100
Tensile Strength (ASTM-D 638)	40,970	No Data	3,600
Warranty	10 years materials and labor	1 year manufacturer's	1 year manufacturer's
Life Expectancy	<b>100 year useful life certification</b>	50 year service life	50 year design life
D-Load Test (ASTM C497-98)	1548 lbf/ft/ft	No Data	No Data
Lining Diameter Capacity	12" and up (consistent thickness)	- 144" (liner thickness increases with size)	3" - 24" (liner thickness increases with size)



Figures based on information from corporate websites.



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