



**Subject:** Comparative lap shear strength of moisture cured urethane adhesive.

**Procedure:** Bond substrates to themselves using 12g/ft<sup>2</sup> of adhesive and 1g/ft<sup>2</sup> of water. Substrates pressed in vacuum bag @ 4 – 6 in Hg for 2 hours and then allowed to cure for 3 days before testing. Substrates pulled in a Tinius Olsen testing machine using separation rate of 2 inches per minute.

<b>Adhesive</b>	<b>Substrate</b>	<b>Lap Shear Strength (psi)</b>	<b>Average</b>
<b>Sticky Ass Glue</b>	Aluminum	876, 326	601
	Steel	1164, (nt)	1164
	Fiberglass	573(*), 625 (*)	599
	ABS	453(*), 400 (*)	427
	High Pressure Laminate such as Formica from the Formica Corporation	758 (*), 674 (*)	716
<b>Gorilla Glue</b>	Aluminum	338 (t), 451 (t)	395
	Steel	621, 771	696
	Fiberglass	370 (*), 504 (*)	437
	ABS	452 (*), 390 (*)	421
	High Pressure Laminate such as Formica from the Formica Corporation	699 (*), 649 (*)	674
<b>Sumo Glue</b>	Aluminum	497, 898	698
	Steel	956, 812	884
	Fiberglass	449(*), 467(*)	458
	ABS	(nt)	--
	High Pressure Laminate such as Formica from the Formica Corporation	691, 577 (*)	634

\* substrate failure  
t tacky  
nt not tested