

## Bite Registration Hardness Testing

### TESTING

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The complete analysis of variance is listed below. In summary, all four materials are statistically distinct. The shore A hardness results from softest to hardest are as follows

Material	Shore A Hardness
President Jet Bite	80.1 ( $\pm 1.8$ )
Regisil Rigid	82.7 ( $\pm 1.3$ )
Blu-Mousse	85.9 ( $\pm 1.1$ )
MegaBite Mint	89.1 ( $\pm 1.1$ )

Analysis of Variance File: Bitereg1 Date:11-06-2002

FILTER: None

N's, means and standard deviations based on dependent variable: INDENTNO

\* Indicates statistics are collapsed over this factor

Material	N	Mean	SD
*	36	84.4444	3.6680
MegaBite Mint	9	89.1111	1.0541
Regesil Rigid	9	82.6667	1.3229
Blu-Mouse	9	85.8889	1.0541
President Jet Bite	9	80.1111	1.8333

Tfmax for testing homogeneity of between subjects variances: 3.02

Number of variances= 4 df per variance= 8.

Analysis of Variance

Dependent variable INDENTNO

Source	df	SS(H)	MSS	F	P
Between Subjects	35	470.8889	--	--	--
M (MATNO)	3	412.2223	137.4074	74.950	0.0000
Subject with Groups	32	58.6666	1.8333	--	--

Post-hoc tests for factor M (MATNO)

Level	Mean
1	89.111
2	82.667
3	85.889
4	80.111

Comparison	Scheffe'	Tukey-A*	Tukey-B*	Keuls*	ferroni	Dunnett
1 > 2	0.0000	0.0100	0.0100	0.0100	0.0000	0.0100
1 > 3	0.0003	0.0100	0.0100	0.0100	0.0001	0.0100
1 > 4	0.0000	0.0100	0.0100	0.0100	0.0000	0.0100
2 < 3	0.0003	0.0100	0.0100	0.0100	0.0001	NA
2 > 4	0.0042	0.0100	0.0100	0.0100	0.0022	NA
3 > 4	0.0000	0.0100	0.0100	0.0100	0.0000	NA

\* The only possible P-values are .01, .05 or .10 (up to 0.0500).  
 A blank means the P-value is greater than 0.0500.

For Dunnett's test only the P-values .05 and .01 are possible and only for comparisons with the control mean (level 1).