Table 1

Example	B	U	H	T	D	H2O	E	A	CQ	NaF	Submicron Glass	Micron Glass	Compressive Strength, MPa (S.D.)	Bond to Composite, lb. (S.D.)
1	48.32	5.49	2.75	3.84	1.28	0.37	0.27	0.51	---	1.10	1.83	34.23	155(8)	---
2	43.19	4.91	2.45	2.29	1.14	0.33	0.24	0.46	---	1.10	1.50	42.42	156(8)	---
3	41.72	---	---	2.21	1.11	4.93	0.24	---	0.19	---	1.60	48.02	120(4)	---
4	78.00	8.66	---	4.13	2.07	4.87	0.44	---	0.35	0.12	1.18	---	---	32(10)
5	43.35	43.35	---	4.13	2.06	5.00	0.44	---	0.35	0.50	0.81	---	---	32(19)
6	45.88	45.88	---	4.37	2.18	---	0.47	---	0.37	---	0.86	---	---	50(11)
7	49.10	5.60	2.79	2.60	1.30	0.37	0.28	---	0.22	1.11	1.86	34.78	141(16)	---
8	27.34	27.34	2.79	2.60	1.30	0.37	0.28	---	0.22	1.11	1.86	34.78	204(27)	---
9	42.68	42.68	7.30*	4.41	2.20	---	0.47	---	0.28	---	---	---	---	74(14)
10A	48.40	5.50	2.75	2.57	1.83	0.73	0.46**	---	0.37	1.10	1.83	34.28	350(2)	---
10B	---	55.10	2.81	2.62	---	---	---	---	1.40***	0.02	1.87	35.04	---	---
11	10.55	24.62	1.79	1.67	0.84	0.24	0.18	---	0.12	1.10	2.00	56.90	260(20)	---
12	41.70	4.74	2.37	2.21	1.10	10.14	0.24	---	0.19	0.95	1.87	34.48	71(4)	---
13	42.00	15.00	---	2.60	2.00	15.00	0.28	---	0.27	1.00	1.86	20.00	43(2)	---
14	42.68	32.56	5.00*	4.41	2.20	5.00	0.47	---	0.28	0.12	---	---	---	51(9)

* 1,6 dihydroxy hexamethylene dimethacrylate
** 1 acetyl-2-thio urea
*** cumene hydro peroxide

B Bis-2(methacryloyloxy)ethyl phosphate
U diurethane dimethacrylate
H hydroxyethylmethacrylate
T tri-methyol propane tri-methacrylate
D dimethyl amino ethyl methacrylate
H_2O water
E ethyl 4 dimethylamino benzoate
A acryl phosphine oxide
CQ camphorquinone
NaF sodium fluoride

FIG. 1