Table 2

Ex#	[HEMA] wt%	[NVP] wt%	HEMA: NVP[1]	% H_2O	% Haze	DCA	Mechanicals		Dk	AC:RC
							Mod. (psi)	Elong. (%)		
3	5.75	52.50	0.0935	61.8 (0.1)	479 (8)	62 (4)	53.2 (2.5)	162.6 (34.8)	102.1	54
4	6.75	51.50	0.112	61.4 (0.2)	464 (20)	54 (6)	57.9 (3.6)	187.3 (51.1)	98.3	62
5	7.75	50.50	0.131	58.9 (0.1)	233 (59)	58 (5)	61.6 (5.2)	189.8 (50.4)	102.1	69
6	8.75	49.50	0.152	58.2(0.2)	17(17)	60(5)	67.0 (3.9)	157.4(43.8)	100.3	77
7	9.75	48.50	0.172	60.0(0.3)	5(1)	59.5(5)	70.6(4)	159.2(47.5)	96.3	85
8	10.75	47.50	0.193	59.1 (0.0)	8 (0)	60 (7)	79.9 (1.9)	196.2 (24.6)	89.1	92
9	15.75	42.50	0.316	55.7 (0.0)	11 (1)	70 (7)	97.5 (4.2)	192.8 (39.2)	83.5	131
10	18.75	39.50	0.405	51.7 (0.1)	16 (2)	* NW	102.5 (4.0)	180.6 (38.6)	77.3	154
11	21.75	36.50	0.509	49.7 (0.1)	14 (2)	* NW	115.9 (3.1)	206.3 (53.8)	62.3	177
12	25.75	32.50	0.677	46.5 (0.3)	112 (4)	* NW	119.6 (6.9)	199.5 (46.6)	63.2	208
13	29.00	29.25	0.839	40.7 (0.2)	186 (3)	* NW	138.8 (6.7)	190.7 (32.4)	59.7	233

1 molar ratio
AC:RC= mmol ancillary components/100 gm reactive mixture
* NW = Not Wettable

Table 5

Example	17	18	19	20	21	22
Component	**HPMA**	**HBMA**	**DMHEMA**	**HEAA**	**GMMA**	**GMMA**
NVP (wt%)	47.5	45.18	45.18	48.75	45.01	51.63
HOMA Cpd (wt%)	10.75	13.07	13.07	9.50	13.23	6.62
HOMA:NVP (molar)	0.174	0.203	0.203	0.188	0.408	0.204
% H_2O	58.9 (0.1)	54.5	60.4	NT*	NT	62.6
% Haze	16 (0)	8	15	NT*	NT*	12
DCA	63 (5)	46	70	NT*	NT*	49
MOD (psi)	73.4 (1.4)	120.5	68.7	NT*	NT*	70.4
Elong (%)	230.1 (1.8)	179.3	206.5	NT*	NT*	203.5
Dk	93.4	93.4	90	NT*	NT*	85.3
AC:RM	84	92	92	92	92	51

NT* = Not Tested

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Ex#	[HEMA] wt%	[NVP] wt%	HEMA: NVP[1]	% H_2O	% Haze	DCA	Mechanicals		Dk	AC:RC
							Mod. (psi)	Elong. (%)		
3	5.75	52.50	0.0935	61.8 (0.1)	479 (8)	62 (4)	53.2 (2.5)	162.6 (34.8)	102.1	54
4	6.75	51.50	0.112	61.4 (0.2)	464 (20)	54 (6)	57.9 (3.6)	187.3 (51.1)	98.3	62
5	7.75	50.50	0.131	58.9 (0.1)	233 (59)	58 (5)	61.6 (5.2)	189.8 (50.4)	102.1	69
6	8.75	49.50	0.152	58.2(0.2)	17(17)	60(5)	67.0 (3.9)	157.4(43.8)	100.3	77
7	9.75	48.50	0.172	60.0(0.3)	5(1)	59.5(5)	70.6(4)	159.2(47.5)	96.3	85
8	10.75	47.50	0.193	59.1 (0.0)	8 (0)	60 (7)	79.9 (1.9)	196.2 (24.6)	89.1	92
9	15.75	42.50	0.316	55.7 (0.0)	11 (1)	70 (7)	97.5 (4.2)	192.8 (39.2)	83.5	131
10	18.75	39.50	0.405	51.7 (0.1)	16 (2)	* NW	102.5 (4.0)	180.6 (38.6)	77.3	154
11	21.75	36.50	0.509	49.7 (0.1)	44 (2)	* NW	115.9 (3.1)	206.3 (53.8)	62.3	177
12	25.75	32.50	0.677	46.5 (0.3)	112 (4)	* NW	119.6 (6.9)	199.5 (46.6)	63.2	208
13	29.00	29.25	0.839	40.7 (0.2)	186 (3)	* NW	138.8 (6.7)	190.7 (32.4)	59.7	233

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% H_2O	58.9 (0.1)	54.5	60.4	NT*	NT	62.6
% Haze	16 (0)	8	15	NT*	NT*	12
DCA	63 (5)	46	70	NT*	NT*	49
MOD (psi)	73.4 (1.4)	120.5	68.7	NT*	NT*	70.4
Elong (%)	230.1 (1.8)	179.3	206.5	NT*	NT*	203.5
Dk	93.4	93.4	90	NT*	NT*	85.3
AC:RM	84	92	92	92	92	51

NT* = Not Tested