

PIOTHANE® POLYESTER POLYOLS

PRODUCT	ACID NUMBER (max)	HYDROXYL NUMBER	% MOISTURE (max)	VISCOSITY cPs @ 158 F	COLOR, APHA
BUTANEDIOL ADIPATES					
500 BA	0.5	195 - 225	0.04	250 - 350 @ 100F	< 100
700 BA	0.7	155 - 165	0.04	100 - 150	< 100
1000 BA	0.7	107 - 117	0.04	180 - 250	< 100
2000 BA	0.6	54 - 58	0.04	700 - 1000	< 100
2800 BA	0.6	38 - 42	0.04	1600 - 1900	< 100
11000 BA	3.0	8 - 12	NA	1000 - 2500 @ 392 F	< 100
BUTYLENE NEOPENTYL GLYCOL ADIPATE ISOPHTHALATE					
1000 BNAI	0.9	110 - 117	0.04	1100 - 1400 @140 F	< 150
CYCLOHEXANEDIMETHANOL ADIPATES					
500 CA	0.6	215 - 230	0.05	75 - 150 @ 212 F	< 100
1000 CA	0.6	110 - 115	0.05	300 - 400 @ 212 F	< 100
2000 CA	0.6	54 - 58	NA	350 - 550 @ 275 F	< 100
DIETHYLENE ADIPATES					
500 DEA	0.6	215 - 230	0.04	40 - 60	< 150
1000 DEA	0.6	110 - 115	0.04	150 - 200	< 150
2000 DEA	0.6	54 - 58	0.04	500 - 700	< 150
3000 DEA	0.6	36 - 39	0.04	1200 - 1500	< 150
3500 DEA	0.6	30 - 34	0.04	1700 - 2200	< 150
DIETHYLENE PHTHALATES					
360 DP	3.0	300 - 330	0.15	150 - 200 @ 140 F	< 250
560 DP	1.0	190 - 200	0.1	350 - 450	< 150
ETHYLENE ADIPATES					
550 EA	0.9	194 - 213	0.04	70 - 90	< 50
700 EA	1.0	155 - 165	0.05	100 - 130	< 75
830 EA	1.0	130 - 140	0.05	130 - 160	< 75
1000 EA	0.6	106 - 116	0.04	180 - 220	< 75
2000 EA	0.3	54 - 58	0.03	600 - 700	< 75
2100 EA	1.0	51 - 55	0.04	650 - 800	< 80
3200 EA	0.6	33 - 37	0.04	1500 - 2000	< 80

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SPECIALTY RESINS

A Division of Panolam Industries International, Inc.

1 Pionite Road, Auburn, ME 04210

Tel: (207) 689-9433

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ETHYLENE BUTYLENE ADIPATES					
50-1000 EBA	0.6	104 - 116	0.05	300 - 400 @ 140 F	< 150
50-2000 EBA	0.7	52 - 58	0.05	1000 - 1400 @ 140 F	< 150
50-3300 EBA	0.6	32 - 36	0.05	1800 - 2600	< 150
ETHYLENE PROPYLENE ADIPATES					
90-850 EPA	0.5	127 - 137	0.03	220 - 270 @ 140 F	< 80
90-2000 EPA	0.5	53 - 57	0.03	500 - 700	< 80
80-2000 EPA	0.5	54 - 58	0.03	500 - 700	< 80
90-2500 EPA	0.6	42 - 48	0.04	900 - 1050	< 150
90-3200 EPA	0.6	33 - 37	0.04	1400 - 1800	< 150
80-3000 EPA	1.0	36 - 40	0.05	1200 - 1400	< 50
70-3100 EPA	0.9	35 - 39	0.04	1100 - 1400	< 100
HEXANEDIOL ADIPATES					
500 HA	0.6	195 - 225	0.04	50 - 100	< 100
650 HA	0.6	167 - 178	0.04	75 - 125	< 100
1000 HA	0.6	110 - 115	0.04	150 - 300	< 100
2000 HA	0.6	54 - 58	0.04	500 - 700	< 100
3000 HA	0.6	34 - 37	0.04	1700 - 2200	< 100
3500 HA	0.6	28 - 32	0.04	2300 - 2800	< 100
5500 HA	1.0	16 - 22	0.05	900 - 1400 @ 275 F	< 150
9000 HA	2.0	10 - 16	NA	3000 - 5000 @ 275 F	< 150
HEXANEDIOL ADIPATE ISOPHTHALATES					
70-500 HAI	0.6	215 - 230	0.03	80 - 150	< 100
70-1000 HAI	0.5	116 - 124	0.03	275 - 325	< 100
70-1500 HAI	0.6	69 - 75	0.03	700 - 900	< 100
70-2000 HAI	0.5	54 - 58	0.03	1300 - 1600	< 100
50-2000 HAI	0.5	54-58	0.03	2400 - 2900	< 100
70-3000 HAI	0.5	36 - 39	0.03	3200 - 3800	< 100
HEXANEDIOL NEOPENTYL ADIPATES					
67-500 HNA	0.5	214 - 226	0.05	90 - 150 @ 140 F	< 100
67-1000 HNA	0.5	114 - 126	0.05	250 - 300 @ 140 F	< 100
67-1500 HNA	0.5	73 - 77	0.05	350 - 550	< 100
67-2000 HNA	0.5	53 - 59	0.03	700 - 900	< 60
67-3000 HNA	0.5	33 - 37	0.05	1850 - 2450	< 100

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HEXANEDIOL PHTHALATES					
500 HP	0.6	215 - 230	0.04	150 - 350	< 150
1000 HP	1.0	107 - 117	0.04	900 - 1300	< 150
2000 HP	1.0	54 - 58	0.04	9000 - 11000 @140	< 150
METHYL PROPANEDIOL ADIPATES					
530 MPA	0.5	205-215	0.04	80 - 120	< 100
2000 MPA	0.5	54 - 60	0.04	800 - 1000	< 100
3200 MPA	0.5	33 - 37	0.04	2400 - 3400	< 100
METHYL PROPANEDIOL ETHYLENE ADIPATE					
50-2000 MEPA	0.6	54 - 58	0.04	650 - 850	< 100
NEOPENTYL GLYCOL ADIPATES					
550 NA	1.0	201 - 213	0.03	900 - 1100 @ 100 F	< 100
1000 NA	1.0	105 - 115	0.03	350 - 450	< 150
2000 NA	0.6	54 - 58	0.03	1100 - 1400	< 200
NEOPENTYL GLYCOL ADIPATE ISOPHTHALATE					
58-2400 NAI	0.8	44 - 48	0.05	450 - 650 @ 275F	< 150
NEOPENTYL GLYCOL BUTYLENE ADIPATE					
70-1000 NBA	0.6	109 - 115	0.04	280 - 320	< 100
50-1300 NBA	0.6	78 - 92	0.04	325 - 475	< 100
PROPYLENE ADIPATES					
500 PA	0.6	215 - 230	0.04	150 - 250 @ 120 F	< 100
1000 PA	0.6	109 - 115	0.04	150 - 250	< 100
2000 PA	0.6	54 - 58	0.04	550 - 750	< 100
2500 PA	0.6	44 - 48	0.04	700 - 900	< 100
AMORPHOUS POLYOLS					
1000 NP	< 2.0	100 - 120	0.1	600 - 900 *	< 1 (Gardner)
2200 ENAP	< 3.0	50 - 54	0.1	700 - 1200 *	< 1 (Gardner)
3500 EHN	< 3.0	31 - 35	NA	2000 - 3500 @ 320 F	< 2(Gardner)
				* at 275 F	

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CRYSTALLINE POLYOLS					
3500 ED	2.0	27 - 34	0.1	250 - 450 *	< 150
3500 HAT	2.0	27 - 34	NA	1800 - 2800 *	< 150
3500 HD	1.0	28 - 32	0.1	400 - 600 *	< 150
3500 HS	2.0	27 - 34	0.1	400 - 550 *	< 150
				* at 275 F	
LIQUID POLYOLS					
3500 EAT	2.0	27 - 34	0.1	600 - 900 *	< 150
5500 EHNA	2.0	18 - 24	0.1	5500 - 7500	< 150
				* at 275 F	

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