

# Anderson Development Company

Dial-a-Durometer (DAD) using Andur 80-5AP and Andur 1-75 DP cured with Curene 107

Andur 80-5 AP (wt%)	100	90	80	70	60	50	40	30	20	10	0
Andur 1-75 DP (wt%)	0	10	20	30	40	50	60	70	80	90	100
% NCO (calc.)	3.20	3.73	4.26	4.79	5.32	5.85	6.38	6.91	7.44	7.97	8.50
Stoichiometry (actual)	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Hardness, Shore	80A (25D)	83A (28D)	87A (32D)	92A (37D)	95A (43D)	96A (48D)	53D	57D	61D	65D	69D
Elongation, %	570	530	500	470	440	420	400	380	360	340	290
Tensile Strength, psi	6100	6300	6500	6700	6900	7100	7300	7600	7900	8300	7700
100% Modulus, psi	690	830	980	1200	1500	1800	2200	2700	3200	4000	4700
300% Modulus, psi	1300	1500	1900	2400	2900	3600	4400	5400	6200	7200	----
Die C Tear, pli	250	320	350	380	410	440	490	560	670	790	910
Split Tear, pli	60	70	80	100	110	120	140	160	180	200	220
Compression Set											
22 hrs @ 70 C	30	30	33	35	45	55	60	65	70	75	***
Compress. Deflect.											
@5%	100	120	140	170	210	260	320	400	510	650	850
@10%	220	280	350	490	630	860	1100	1400	1800	2300	3000
@15%	340	440	550	750	980	1300	1600	2100	2600	3400	4300
@20%	460	580	730	960	1200	1600	2000	2500	3100	4000	5000
@25%	580	730	900	1200	1500	1900	2300	2900	3500	4500	5800
Bashore Rebound, %	62	56	52	49	50	51	53	53	54	54	55