

# Anderson Development Company

Dial-a Durometer (DAD) using Andur 7 APLM and Andur 7 DPLM cured with MBOCA

Andur 7 APLM(wt%)	100	90	80	70	60	50	40	30	20	10	0
Andur 7 DPLM (wt%)	0	10	20	30	40	50	60	70	80	90	100
% NCO (calc.)	2.40	2.91	3.42	3.93	4.44	4.95	5.46	5.97	6.48	6.99	7.50
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	70A (20D)	79A (26D)	88A (32D)	92A (37D)	94A (42D)	96A (47D)	52D	56D	60D	64D	70D
Elongation, %	670	600	560	540	530	510	480	450	420	380	350
Tensile Strength, psi	5500	6600	7000	7500	8500	8500	8500	8400	8300	8100	7400
100% Modulus, psi	420	630	790	970	1200	1500	1800	2200	2600	3000	3600
300% Modulus, psi	620	1100	1400	1700	2100	2500	3300	3800	4500	5600	5400
Die C Tear, pli	290	370	410	450	480	510	540	590	680	770	960
Split Tear, pli	120	140	150	160	180	200	230	260	300	340	400
Compression Set											
22 hrs @ 70 C	22	22	22	22	22	25	26	26	31	39	***
Compress. Deflect.											
@5%	70	100	140	190	250	310	370	440	510	580	670
@10%	150	230	300	400	510	720	900	1100	1400	1900	2700
@15%	240	380	500	630	800	1000	1400	1700	2100	2900	4200
@20%	300	480	620	780	1000	1300	1700	2100	2600	3500	5000
@25%	380	580	740	920	1200	1500	1900	2400	3100	4000	5700
Bashore Rebound, %	47	42	38	39	41	44	46	47	47	47	47