

# Anderson Development Company

Dial-a Durometer (DAD) using Andur 7 APLF and Andur 6 DPLF cured with MBOCA

Andur 7 APLF(wt%)	100	90	80	70	60	50	40	30	20	10	0
Andur 6 DPLF (wt%)	0	10	20	30	40	50	60	70	80	90	100
% NCO (calc.)	2.65	3.00	3.35	3.70	4.05	4.40	4.75	5.10	5.45	5.80	6.15
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)	75A (24D)	80A (26D)	84A (28D)	87A (30D)	90A (34D)	92A (38D)	94A (43D)	96A (48D)	54D	60D
Elongation, %	580	580	550	520	500	480	460	440	410	390	380
Tensile Strength, psi	6600	6900	7100	7200	7300	7400	7500	7600	7800	7500	7200
100% Modulus, psi	360	420	540	740	800	900	1100	1300	1600	1900	2700
300% Modulus, psi	720	800	1000	1300	1600	2000	2500	3100	3700	4400	5500
Die C Tear, pli	280	300	320	340	360	380	400	430	480	550	730
Split Tear, pli	90	92	95	100	110	130	170	220	250	270	290
Compression Set											
22 hrs @ 70 C	25	25	25	30	30	30	30	30	30	40	40
Compress. Deflect.											
@5%	40	70	90	110	140	170	210	250	290	330	380
@10%	90	150	200	250	320	380	480	580	690	870	1100
@15%	150	250	320	410	500	610	750	890	1100	1400	1900
@20%	200	330	420	530	650	780	960	1200	1400	1900	2600
@25%	270	410	520	650	780	940	1200	1400	1700	2300	3000
Bashore Rebound, %	36	31	27	26	26	27	28	30	31	35	40