

# Anderson Development Company

Dial-a Durometer (DAD) using Andur 7-3 APLF and Andur 7 DPLM cured with MBOCA

Andur 7-3 APLF (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.)	2.30	2.82	3.34	3.86	4.38	4.90	5.42	5.94	6.46	6.98	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	22D (72A)	25D (78A)	28D (84A)	32D (88A)	37D (92A)	42D (94A)	47D (96A)	52D	58D	64D	70D
Elongation, %	700	690	620	560	550	490	470	440	420	370	350
Tensile Strength, psi	7500	7500	7500	7200	7200	7800	8000	8200	8200	7600	7400
100% Modulus, psi	500	600	700	800	1000	1200	1600	2000	2400	2900	3600
300% Modulus, psi	900	1000	1200	1500	1800	2200	2700	3800	4500	5400	5400
Die C Tear, pli	330	350	400	430	460	480	510	580	610	750	960
Split Tear, pli	200	180	180	180	180	200	240	260	270	280	400
Compression Set											
22 hrs @ 70 C	25	25	25	25	25	25	30	36	61	70	n.d.
Compress. Deflect.											
@5%	60	80	110	120	190	220	240	320	370	460	670
@10%	150	170	250	310	420	550	700	930	1300	1700	2700
@15%	240	280	400	500	660	860	1100	1400	2000	2600	4200
@20%	320	360	510	620	810	1100	1400	1800	2500	3200	5000
@25%	390	430	610	740	950	1300	1600	2100	2800	3600	5700
Bashore Rebound, %	40	40	37	37	38	40	42	44	45	46	47