

Anderson Development Company

Dial-a-Durometer (DAD) using Andur 85 APLF and Andur 70 DPLF cured with MBOCA

Andur 85 APLF (wt%)	100	90	80	70	60	50	40	30	20	10	0
Andur 70 DPLF (wt%)	0	10	20	30	40	50	60	70	80	90	100
% NCO (calc.)	3.35	3.85	4.34	4.84	5.33	5.83	6.32	6.82	7.31	7.81	8.30
Stoichiometry (actual)	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Potlife (minutes)	15	12	9.5	7.5	5.5	4.75	4.0	3.75	3.5	3.0	2.75
Demold Time (minutes)	40	40	30	30	20	20	20	15	15	10	10
Hardness, Shore	85A	89A	92A	94A (42D)	95A (45D)	96A (47D)	96A (52D)	97A (56D)	62D	64D	70D
Elongation, %	470	440	410	380	350	330	310	290	280	270	260
Tensile Strength, psi	4800	5000	5200	5400	5600	5800	6000	6200	6500	6800	7200
100% Modulus, psi	880	960	1200	1500	1800	2100	2400	2800	3300	3800	4600
300% Modulus, psi	1600	1900	2300	2900	3700	4500	5300	----	----	----	----
Die C Tear, pli	330	360	390	420	450	490	540	600	670	760	910
Split Tear, pli	40	50	60	75	90	100	120	140	160	180	210