

Anderson Development Company

Dial-a-Durometer (DAD) using Andur 85 APLF and Andur 75 DPLF cured with MBOCA

Andur 85 APLF (wt%)	100	90	80	70	60	50	40	30	20	10	0
Andur 75 DPLF (wt%)	0	10	20	30	40	50	60	70	80	90	100
% NCO (calc.)	3.35	3.93	4.50	5.08	5.65	6.23	6.80	7.38	7.95	8.53	9.10
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	9.0	7.0	5.5	5.0	4.5	3.5	2.5	2.0	1.75
Demold Time (minutes)	40	40	30	30	20	20	20	15	15	10	10
Hardness, Shore	85A	90A	92A	95A (44D)	96A (49D)	97A (54D)	59D	63D	67D	71D	75D
Elongation, %	470	430	400	370	340	310	280	260	250	240	230
Tensile Strength, psi	4800	5100	5400	5700	6000	6200	6400	6600	7000	7400	7800
100% Modulus, psi	880	1000	1200	1600	2000	2400	2900	3500	4100	4800	5600
300% Modulus, psi	1600	1900	2400	3300	4300	5300	----	----	----	----	----
Die C Tear, pli	330	380	420	450	480	530	610	720	840	970	1100
Split Tear, pli	40	55	70	80	90	100	120	150	180	210	230