

Anderson Development Company

Dial-a-Durometer using Andur M 75 AP cured with triethanolamine (TEA) and Curene PTMG 1000 w/ DOA

This system is approvable for FDA applications involving wet food contact per 21 CFR 177.2600

TEA (Wt%)	4.00	4.00	4.00	4.00	4.00	4.00
Curene PTMG 1000 (Wt%)	96.00	96.00	96.00	96.00	96.00	96.00
Blend Equivalent Weight	~367	~367	~367	~367	~367	~367
DOA % (based on total elastomer)	0	10	15	20	25	30
Stoichiometry	0.97	0.97	0.97	0.97	0.97	0.97
Elastomer Properties						
Shore Hardness	57A	52A	45A	42A	35A	29A
Tensile, psi	630	630	885	1085	970	800
Young's Modulus, psi	580	420	280	260	200	160
100% Modulus, psi	275	220	175	160	120	100
300% Modulus, psi	510	390	300	280	210	165
Elongation, %	345	410	500	530	580	615
Die C Tear (D624), pli	135	110	100	95	80	70
Split Tear (D1938), pli: AVG.	11	11	14	12	12	14
Compression Set, 22hrs@70C	4	7	10	8	10	14
Bashore Rebound (%)	78	78	73	74	70	66