

Anderson Development Company

Dial-a-Durometer using Andur 8000 AP and Andur 7500 DP cured with Curene 107

| | | | | | | | | | | | |
|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|------|------|------|------|------|
| Andur 8000 AP(wt%) | 100 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0 |
| Andur 7500 DP (wt%) | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
| % NCO (calc.) | 3.50 | 3.87 | 4.23 | 4.60 | 4.96 | 5.33 | 5.69 | 6.06 | 6.42 | 6.79 | 7.15 |
| Hardness, Shore | 80A (26D) | 83A (29D) | 86A (32D) | 90A (37D) | 94A (42D) | 95A (47D) | 52D | 57D | 61D | 65D | 68D |
| Elongation, % | 410 | 410 | 400 | 390 | 380 | 360 | 330 | 310 | 290 | 270 | 260 |
| Tensile Strength, psi | 2300 | 3000 | 3800 | 4500 | 5100 | 5200 | 5300 | 5400 | 5600 | 5800 | 6200 |
| 100% Modulus, psi | 840 | 990 | 1200 | 1400 | 1700 | 2000 | 2400 | 2700 | 3200 | 3500 | 4400 |
| 300% Modulus, psi | 1400 | 1900 | 2300 | 2700 | 3400 | 4000 | 4500 | 5100 | *** | *** | *** |
| Die C Tear, pli | 170 | 190 | 200 | 240 | 280 | 340 | 390 | 490 | 570 | 620 | 830 |
| Split Tear, pli | 50 | 50 | 55 | 70 | 85 | 100 | 110 | 120 | 140 | 160 | 190 |
| Compression Set | | | | | | | | | | | |
| 22 hrs @ 70 C | 45 | 50 | 50 | 55 | 55 | 60 | 60 | 65 | 70 | 85 | *** |
| Compress. Deflect. | | | | | | | | | | | |
| @5% | 90 | 100 | 130 | 180 | 210 | 280 | 320 | 390 | 420 | 560 | 640 |
| @10% | 200 | 240 | 320 | 430 | 550 | 760 | 1000 | 1300 | 1700 | 2000 | 2700 |
| @15% | 320 | 380 | 510 | 650 | 850 | 1100 | 1500 | 2000 | 2500 | 3000 | 4000 |
| @20% | 450 | 530 | 690 | 860 | 1100 | 1400 | 1800 | 2400 | 3000 | 3600 | 4700 |
| @25% | 580 | 670 | 870 | 1100 | 1300 | 1700 | 2200 | 2800 | 3400 | 4000 | 5300 |
| Bashore Rebound, % | 25 | 24 | 27 | 31 | 35 | 38 | 42 | 46 | 50 | 53 | 56 |