

Paramount Industries Inc. Casting Materials Spec List

| Paramount ID # | Natural Color | Density | Durometer | Tensile Strength | Ultimate Elongation | Tear Strength | Flexural Strength | Flexural Modulus | Notched Izod Impact Strength | Linear Shrinkage | Comments | Paramount ID # |
|----------------|-------------------|---------|-----------|------------------|---------------------|---------------|-------------------|---------------------|------------------------------|------------------|---------------------------|----------------|
| | | g/cc | | PSI/kPa | % @ 2' min | ppi | PSI/kPa | PSI/kPa | Ft. lbs. / In. | In. / In. | | |
| S-10A-1 | pink | | 10A | | | | | | | | | S-10A-1 |
| U-15A-1 | amber | 1 | 15A | 240 / 1654 | 850 | 25 | | | | 0.008 | | U-15A-1 |
| S-15A-1 | blue-green | | 15A | | | | | | | | | S-15A-1 |
| S-20A-1 | lt. purple | | 20A | | | | | | | | | S-20A-1 |
| U-30A-1 | Trans. Yellow | 1.01 | 30A | 325 / 2240 | 750 | 65 | | | | 0.0004 | | U-30A-1 |
| S-30A-1 | lt. green | | 30A | | | | | | | | | S-30A-1 |
| S-35A-1 | blue-green | | 35A | | | | | | | | | S-35A-1 |
| U-40A-1 | Trans. Yellow | 1.03 | 40A | 490 / 3378 | 800 | 85 | | | | 0.009 | | U-40A-1 |
| U-45A-1 | clear amber | 1.01 | 45A | 500 / 3447 | 610 | 70 | | | no break | 0.003 | avail. in flame retardant | U-45A-1 |
| S-45A-1 | translucent | 1.11 | 45A | 650 / 4481 | 250 | 57 | | | | less .1% | Molding Rubber | S-45A-1 |
| U-61A-1 | amber | | 55-65A | 570 / 3930 | 200 | 117 | | | | | Low Metals content | U-61A-1 |
| U-60A-1 | clear amber | 1.06 | 60A | 1300 / 8963 | 600 | 86 | | | | 0.003 | avail. in flame retardant | U-60A-1 |
| CU-65A-1 | clear | 1.02 | 65A | 425 / 2930 | 150 | 65 | | | | 0.004 | | CU-65A-1 |
| U-65A-1 | clear amber | 1.05 | 65A | 900 / 6205 | 500 | 82 | | | | 0.003 | avail. in flame retardant | U-65A-1 |
| U-70A-1 | clear amber | 1.07 | 70A | 1900 / 13,100 | 575 | 142 | | | | 0.003 | avail. in flame retardant | U-70A-1 |
| U-83A-1 | clear amber | 1.07 | 83A | 1500 / 10,342 | 400 | 178 | | | | 0.003 | avail. in flame retardant | U-83A-1 |
| U-45D-1 | buff translucent | 1.08 | 45D | 3000 / 20,684 | 290 | 270 | | | | 0.006 | Fast set 4 hrs demold | U-45D-1 |
| U-95A-1 | clear amber | 1.06 | 95A | 2700 / 18,615 | 375 | 236 | | | | 0.003 | avail. in flame retardant | U-95A-1 |
| U-50D-1 | clear amber | 1.03 | 50D | 1800 / 12,410 | 275 | 356 | | | 1.4 | 0.003 | avail. in flame retardant | U-50D-1 |
| CU-55D-1 | clear | | 55D | | | | | | | 0.004 | UV stable | CU-65A-1 |
| U-65D-1 | clear amber | 1.02 | 65D | 450 / 3102 | 100 | 450 | 2700 / 18,615 | 41 / 282 | 2.2 | 0.003 | avail. in flame retardant | U-65D-1 |
| U-72D-1 | white | 1.08 | 70-75D | 6555 / 45,195 | 6.6 | | 9428 / 65,003 | 274,424 / 1,892,087 | 0.39 | 0.0015 | | U-72D-1 |
| U-70D-1 | clear amber | 1.06 | 70D | 4200 / 28,957 | 120 | 660 | 3710 / 25,579 | 57 / 393 | 2.3 | 0.003 | avail. in flame retardant | U-70D-1 |
| U-71D-1 | white | 1.1 | 71D | 5930 / 40,886 | 6.1 | | 11,100 / 76,530 | 276,000 / 1,902,950 | | 0.0015 | Standard resin | U-71D-1 |
| U-75D-1 | white | 1.1 | 75D | 5500 / 37,921 | 11 | | 5870 / 40,472 | 174,155 / 1,200,756 | 0.34 | | | U-75D-1 |
| U-75D-2 | white | 1.12 | 75D | 2720 / 18,573 | 20 | | 5620 / 38,748 | 170 ksi | | 0.0042 | | U-75D-2 |
| U-78D-1 | White | 1.07 | 78D | 5,600 / 38,610 | 3.5 | 767 | 7,875 / 54,296 | .22x10"8 | 1.5 | 0.0029 | | U-78D-1 |
| U-80D-1 | Cream | 1.12 | 80D | 5500 / 37,921 | 15.5 | | 7100 / 48,952 | 2.0x10"5 | 0.75 | 0.005 | | U-80D-1 |
| U-80D-2 | clear yellow tint | 1.1 | 80D | | | | | | | | | U-80D-2 |
| CU-80D-1 | clear | | 80D | 2500 / 17,236 | 10 | | 11,000 / 75,842 | | | | | CU-80D-1 |
| CU-80D-2 | clear | 1.12 | 80D | 2500 / 17,236 | 10 | | 11,000 / 75,842 | | | | | CU-80D-2 |
| CU-80D-3 | clear | 1.12 | 80D | 2500 / 17,236 | 10 | | 11,000 / 75,842 | | | | | CU-80D-3 |
| CU-80D-4 | clear | 1.12 | 80D | 2500 / 17,236 | 10 | | 11,000 / 75,842 | | | | | CU-80D-4 |
| U-80D-1FR | white | 1.25 | 80D | 6450 / 44,471 | 4 | | | | 0.56 | 0.001 | Flame Retardant 94VO | U-80D-1FR |
| CU-82D-1 | Clear | 1.05 | 82D | 6650 / 45,850 | 65 | | | | 1 | 0.004 | | CU-82D-1 |
| U-85D-1 | gray | 1.2 | 85D | 12,325 / 84,977 | 3 | | 12,325 / 84,977 | 652,500 / 4,498,830 | | | | U-85D-1 |
| CU-85D-1 | Water Clear | 1.07 | 85D | 4150 / 28,613 | | | 10,600 / 73,084 | 272,000 / 1,875,371 | | | 8 Hour cure time | CU-85D-1 |
| CU-85D-2 | Water Clear | 1.05 | 85D | | | | | | | | Buffable | CU-85D-2 |
| U-85D-1 | white | 1.15 | 85D | 10,100 / 69,637 | 21.6 | | 15,574 / 107,378 | 386,612 / 2,665,596 | 2.1 | | 3 hour demold time | U-85D-1 |