Таблица св-в марок Делрин

| | | | | | ненаполненные | | | | | | | | | | | | | ударопрочные | | | | | | УФ стойкие | | | | | Армированные стекловолоконом/наполненные | | | Низкое трение/Низкий износ | | | | | | | | | | | | Экструзионн | с низким выделением | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Св-ва | | Методика | Единицы | Delrin® 100P BK602 | Delrin® 100P NC010 | Delrin® 111P BK402 | Delrin® 111P NC010 | Delrin® II 100 NC010 | Delrin® 311DP BK402 | Delrin® 311DP NC010 | Delrin® 500P BK602 | Delrin® 500P NC010 | Delrin® 511P BK402 | Delrin® 511P NC010 | Delrin® 900P BK602 | Delrin® 900P NC010 | Delrin® 100ST BK602 | Delrin® 100ST NC010 | Delrin® 100T BK602 | Delrin® 100T NC010 | Delrin® 500T BK602 | Delrin® 500T NC010 | Delrin® 127UV BK701 | Delrin® 127UV NC010 | Delrin® 327UV NC010 | Delrin® 527UV BK701 | Delrin® 527UV NC010 | Delrin® 510GR NC000 | Delrin® 525GR NC000 | Delrin® 570 NC000 | Delrin® 100AL NC010 | Delrin® 100KM BK402 | Delrin® 100KM NC000 | Delrin® 100TL NC010 | Delrin® 500AF | Delrin® 500AL NC010 | Delrin® 500CL BK601 | Delrin® 500CL NC010 | Delrin® 500MP NC010 | Delrin® 500TL NC010 | Delrin® 520MP NC010 | Delrin® 911AL NC010 | Delrin® 150 NC010 | Delrin® 100PE NC010 | Delrin® 500PE NC010 |
| | код полимера | | ISO 1043 | | POM | POM | POM | POM | POM | POM | POM | POM | POM | POM | POM | POM | POM | POM-I | POM-HI | POM-I | POM-I | POM-I | POM-I | POM | POM | POM | POM | POM | POM-GF10 | POM-GF25 | POM-GF20 | POM-S | POM-RG | POM-RG | POM-SD | POM-SF20 | POM-S | POM | POM | POM-SD | POM-SD | POM-SD20 | POM-S | POM | POM | POM |
| | маркировка на детали | | ISO 11469 | | >POM< | >POM< | >POM< | >POM< | >POM< | >POM< | >POM< | >POM< | >POM< | >POM< | >POM< | >POM< | >POM< | >POM-I< | >POM-HI< | >POM-I< | >POM-I< | >POM-I< | >POM-I< | >POM< | >POM< | >POM< | >POM< | >POM< | >POM-GF10< | >POM-GF25< | >POM-GF20< | >POM-S< | >POM-RG< | >POM-RG< | >POM-SD< | >POM-SF20< | >POM-S< | >POM< | >POM< | >POM-SD< | >POM-SD< | >POM-SD20< | >POM-S< | >POM< | >POM< | >POM< |
| Механические | Напряжение при текучести | | ISO 527 | MPa | 71 | 70 | 72 | 72 | 71 | 74 | 73 | 71 | 70 | 73 | 73 | 70 | 71 | 40 | 41 | 54 | 52 | 54 | 54 | 71.5 | 70 | 73 | 71 | 70 | | | | 70 | | | 71 | | 65 | 67 | 67 | 70 | 71 | 53 | 70 | 72 | 70 | 70 |
| | | | | kpsi | 10.3 | 10.2 | 10.4 | 10.4 | 10.2 | 10.7 | 10.6 | 10.3 | 10.1 | 10.6 | 10.6 | 10.2 | 10.3 | 5.8 | 5.9 | 7.8 | 7.5 | 7.8 | 7.8 | 10.4 | 10.1 | 11 | 10.3 | 10.2 | | | | 10 | | | 10.3 | | 9.4 | 9.7 | 9.7 | 10.2 | 10.3 | 7.7 | 10.1 | 10.4 | 10.2 | 10.1 |
| | Удлинение в точке текучести | | ISO 527 | % | 22 | 25 | 20 | 20 | 25 | 15 | 16 | 14 | 17 | 12 | 12 | 12 | 13 | 30 | 30 | 27 | 25 | 17 | 20 | 22 | 23 | 15 | 14 | 17 | | | | 18 | | | 25 | | 11 | 13 | 15 | 12 | 13 | 13 | 9 | 21 | 22 | 17 |
| | Напряжение при разрушении | | ISO 527 | MPa | | | | | | | | | | | | | | | | | | | | | | | | | 95 | 145 | 55 | | 65 | 65 | | 50 | | | | | | | | | | |
| | | | | kpsi | | | | | | | | | | | | | | | | | | | | | | | | | 14 | 20.3 | 8.0 | | 9.4 | 9.4 | | 7.3 | | | | | | | | | | |
| | Деформация при разрушении | 50mm/min | ISO 527 | % | | | | 50 | 63 | | | 35 | | | 35 | 22 | | | | | | | | | | | | | 4.3 | 3 | 12 | | 15 | 15 | | 10 | | | | | | | | | | |
| | | | | | 50 | 65 | 45 | | | 35 | | | 40 | 27 | | | 28 | >100 | >100 | >50 | >50 | 45 | >50 | | 65 | 50 | 35 | 40 | | | | 65 | | | | | 35 | 23 | 45 | 20 | 28 | | | | | |
| | Номинальная деформация | | ISO 527 | % | 35 | 45 | 30 | 35 | 41 | 25 | 35 | 25 | 30 | 20 | 25 | 17 | 23 | >50 | >50 | >50 | >50 | 28 | 35 | 37 | 45 | 35 | 23 | 30 | | | | 45 | | | 33 | | 23 | 18 | 25 | 17 | 20 | 15 | 22 | 40 | 54 | 25 |
| | Модуль при растяжении | | ISO 527 | MPa | 3000 | 2900 | 3200 | 3200 | 3100 | 3300 | 3300 | 3100 | 3100 | 3400 | 3400 | 3300 | 3300 | 1200 | 1400 | 1900 | 1900 | 2200 | 2300 | 3000 | 2900 | 3200 | 3200 | 3100 | 5500 | 9400 | 5000 | 3000 | 3200 | 3200 | 3000 | 2800 | 3000 | 3200 | 3100 | 3300 | 3300 | 2800 | 3300 | 3100 | 2900 | 3000 |
| | | | | kpsi | 435 | 420 | 465 | 464 | 450 | 480 | 480 | 450 | 450 | 495 | 490 | 479 | 479 | 175 | 203 | 275 | 276 | 319 | 334 | 435 | 420 | 465 | 464 | 450 | 800 | 1360 | 725 | 435 | 465 | 465 | 435 | 405 | 435 | 465 | 450 | 480 | 479 | 406 | 480 | 450 | 420 | 435 |
| | Модуль ползучести при разрушении | 1h | ISO 899 | MPa | | 2700 | | 3000 | | | | | 2800 | | 3000 | | 2800 | | 1350 | | | | 2300 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | kpsi | | 392 | | 435 | | | | | 406 | | 435 | | 406 | | 196 | | | | 334 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1000h | | MPa | | 1500 | | 1700 | | | | | 1600 | | 1700 | | 1500 | | 550 | | | | 1150 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | kpsi | | 218 | | 247 | | | | | 232 | | 247 | | 218 | | 80 | | | | 167 | | | | | | | | | | | | | | | | | | | | | | | |
| | Модуль при изгибе | | ISO 178 | MPa | 2800 | 2600 | 2900 | 2900 | 2800 | | 3100 | 3000 | 2900 | 3100 | 3100 | 3000 | 3000 | 1100 | 1100 | | 1700 | 2000 | 2100 | 2800 | 2700 | 3000 | 3000 | 3000 | 4800 | 8500 | 4600 | 2800 | | 3000 | 2800 | 2500 | 2800 | 2900 | 2900 | 3200 | 3100 | 2700 | 3200 | 2900 | 2600 | 2900 |
| | | | | kpsi | 405 | 377 | 420 | 420 | 406 | | 450 | 435 | 420 | 450 | 450 | 435 | 435 | 160 | 160 | | 245 | 290 | 305 | 406 | 390 | 435 | 435 | 435 | 700 | 1230 | 667 | 405 | | 435 | 405 | 360 | 406 | 420 | 420 | 460 | 450 | 390 | 460 | 420 | 377 | 420 |
| | Напряжение при изгибе | @ 3.5% Strain | ISO 178 | MPa | | 74 | | 80 | | | 86 | | 80 | | 90 | | | | 34 | | | 60 | 60 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | kpsi | | 10.7 | | 11.6 | | | 12.5 | | 11.6 | | 13.1 | | | | 4.9 | | | 8.7 | 8.7 | | | | | | | | | | | | | | | | | | | | | | | |
| | Ударн.прочность по Шарпи с надр. | -30°C (- | ISO 179/1eA | kJ/m2 | 10 | 11 | 8 | 9 | 12 | 8 | 9 | 7 | 8 | 6 | 7 | 6 | 7 | 14 | 20 | 11 | 13 | 7 | 9 | 10 | 11 | 8.5 | 7 | 8 | 5 | 8 | 3 | 7 | 4 | 3.5 | | 3 | 6 | 8 | 8 | 5 | 5 | 4 | 4 | 9 | 10 | 7 |
| | | 23°C (73°F) | | | 11 | 14 | 9 | 11 | 15 | 8 | 10 | 8 | 9 | 7 | 8 | 7 | 8 | 80 | 90 | 23 | 25 | 13 | 14 | 13 | 15 | 9.5 | 9 | 9 | 5 | 8 | 4 | 9 | 5 | 4.5 | 9 | 3 | 7 | 9 | 9 | 5 | 6 | 4 | 5 | 12 | 14 | 9 |
| | ударн.прочность по Шарпи без надр. | -30°C (- | ISO 179/1eU | kJ/m2 | | 350 | | 270 | | | 250 | | 220 | 170 | 220 | | 200 | | NB | | NB | | 330 | | 350 | 290 | | 260 | 50 | 50 | 50 | 170 | | 60 | | 35 | 140 | | 290 | 120 | 160 | | 130 | | | |
| | | 23°C (73°F) | | | 300 | NB | 190 | 300 | NB | | 300 | 180 | 300 | 170 | 260 | 130 | 200 | | NB | | NB | | NB | | 400 | 300 | | 260 | 50 | 50 | 54 | 250 | | 50 | 150 | 40 | 170 | | 350 | 125 | 170 | 70 | 150 | | | |
| Тепловые | Температура деформации под нагрузкой | 0.45MPa | ISO 75-1/-2 | C | 165 | 160 | 166 | 165 | 165 | | 165 | 162 | 158 | 165 | 165 | 161 | 162 | 102 | 100 | | 130 | 146 | 146 | 162 | 160 | 165 | 163 | 160 | 174 | 176 | 163 | 163 | | 160 | 158 | 160 | 164 | 160 | 158 | 162 | 158 | 160 | 162 | 166 | | |
| | | | | F | 330 | 320 | 330 | 329 | 330 | | 330 | 324 | 316 | 329 | 329 | 322 | 324 | 215 | 212 | | 265 | 295 | 295 | 325 | 320 | 329 | 325 | 320 | 345 | 349 | 325 | 325 | | 320 | 315 | 320 | 164 | 320 | 315 | 325 | 315 | 320 | 324 | 331 | | |
| | | 1.80MPa | | C | 93 | 93 | 100 | 100 | 98 | 103 | 103 | 96 | 94 | 105 | 107 | 98 | 94 | 65 | 60 | 71 | 72 | 76 | 78 | 92 | 90 | 95 | 92 | 93 | 164 | 172 | 124 | 97 | 96 | 98 | 95 | 92 | 97 | 90 | 90 | 100 | 100 | 94 | 103 | 97 | 100 | 97 |
| | | | | F | 200 | 200 | 212 | 212 | 210 | 217 | 217 | 205 | 201 | 221 | 225 | 210 | 201 | 150 | 140 | 160 | 160 | 169 | 172 | 198 | 195 | 203 | 198 | 200 | 327 | 342 | 255 | 205 | 205 | 210 | 205 | 195 | 97 | 195 | 194 | 212 | 210 | 201 | 215 | 207 | 210 | 205 |
| | Температура плавления | 10°C/min | ISO 11357-1/- | C | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 |
| | | | | F | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 |
| | CLTE, Parallel | -40 - 23°C (- | ISO 11359-1/-2 | E-4/C | 1.0 | 1.1 | | 0.94 | 1.0 | | 0.96 | 0.94 | 1.0 | 0.90 | 0.96 | 0.90 | | 1.2 | 1.2 | | | | 1.1 | 1.0 | 1.0 | 0.90 | 0.94 | 0.95 | | 0.37 | | 1.0 | | 0.94 | 1.0 | 0.90 | 1.0 | | 0.92 | 0.90 | 0.90 | 0.90 | 0.90 | 1.0 | | |
| | | 40 - 73°F) | | E-4/F | 0.56 | 0.61 | | 0.52 | 0.56 | | 0.53 | 0.52 | 0.56 | 0.50 | 0.53 | 0.50 | | 0.66 | 0.67 | | | | 0.61 | 0.56 | 0.56 | 0.53 | 0.52 | 0.53 | | 0.20 | | 0.56 | | 0.52 | 0.57 | 0.50 | 0.56 | | 0.51 | 0.50 | 0.50 | 0.50 | 0.50 | 0.56 | | |
| | | 23 - 55°C | | E-4/C | 1.1 | 1.1 | | 1.0 | 1.0 | | 1.1 | 1.1 | 1.1 | 1.0 | 1.2 | 1.0 | 1.2 | 1.2 | 1.3 | | 1.2 | | 1.3 | 1.1 | 1.2 | 1.1 | 1.1 | 1.1 | 0.7 | 0.35 | | 1.1 | | 1.1 | 1.1 | 1.1 | 1.2 | | 1.1 | 1.0 | 1.0 | 0.99 | 1.0 | 1.1 | | |
| | | (73 - 130°F) | | E-4/F | 0.61 | 0.61 | | 0.56 | 0.56 | | 0.61 | 0.61 | 0.61 | 0.56 | 0.67 | 0.56 | 0.67 | 0.67 | 0.72 | | 0.67 | | 0.72 | 0.61 | 0.67 | 0.61 | 0.61 | 0.61 | 0.39 | 0.19 | | 0.61 | | 0.61 | 0.61 | 0.61 | 0.67 | | 0.61 | 0.61 | 0.56 | 0.55 | 0.56 | 0.61 | | |
| | | 55 - 100°C | | E-4/C | 1.5 | 1.5 | | 1.3 | 1.46 | | 1.30 | 1.47 | 1.5 | 1.3 | 1.30 | 1.3 | | 1.2 | 1.3 | | | | 1.3 | 1.5 | 1.6 | 1.5 | 1.4 | 1.7 | | 0.14 | | 1.5 | | 1.4 | 1.5 | 1.4 | 1.5 | | 1.6 | 1.3 | 1.4 | 1.4 | 1.3 | 1.4 | | |
| | | (130 - | | E-4/F | 0.83 | 0.84 | | 0.72 | 0.81 | | 0.72 | 0.82 | 0.82 | 0.72 | 0.72 | 0.72 | | 0.66 | 0.72 | | | | 0.72 | 0.83 | 0.88 | 0.81 | 0.78 | 0.92 | | 0.08 | | 0.83 | | 0.78 | 0.84 | 0.78 | 0.83 | | 0.89 | 0.7 | 0.8 | 0.78 | 0.72 | 0.78 | | |
| | CLTE, Normal | -40 - 23°C (- | ISO 11359-1/-2 | E-4/C | 1.0 | 1.0 | | 0.94 | 0.98 | | 0.95 | 0.98 | 1.0 | 0.9 | 0.96 | 0.9 | | 1.2 | 1.2 | | | | 1.1 | 1.0 | 1.0 | 1.0 | 0.97 | 0.94 | | 0.86 | | 1.0 | | 0.92 | 1.0 | 0.9 | 1.0 | | 1.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | | |
| | | 40 - 73°F) | | E-4/F | 0.56 | 0.56 | | 0.52 | 0.54 | | 0.53 | 0.54 | 0.56 | 0.5 | 0.53 | 0.5 | | 0.67 | 0.67 | | | | 0.61 | 0.56 | 0.55 | 0.53 | 0.54 | 0.52 | | 0.48 | | 0.56 | | 0.51 | 0.56 | 0.50 | 0.56 | | 0.56 | 0.5 | 0.5 | 0.50 | 0.50 | 0.5 | | |
| | | 23 - 55°C | | E-4/C | 1.1 | 1.1 | | 1.1 | 1.1 | | 1.1 | 1.15 | 1.1 | 1.0 | 1.2 | 1.0 | 1.2 | 1.2 | 1.4 | | | | 1.2 | 1.1 | 1.1 | 1.1 | 1.1 | 1.2 | 1.0 | 1.0 | | 1.1 | | 1.0 | 1.1 | 1.0 | 1.2 | | 1.1 | 1.0 | 1.0 | 0.97 | 1.0 | 1.0 | | |
| | | (73 - 130°F) | | E-4/F | 0.61 | 0.61 | | 0.61 | 0.61 | | 0.61 | 0.64 | 0.61 | 0.56 | 0.67 | 0.56 | 0.67 | 0.67 | 0.78 | | | | 0.67 | 0.61 | 0.61 | 0.61 | 0.61 | 0.67 | 0.56 | 0.56 | | 0.61 | | 0.56 | 0.61 | 0.56 | 0.67 | | 0.61 | 0.56 | 0.56 | 0.54 | 0.56 | 0.56 | | |
| | | 55 - 100°C | | E-4/C | 1.5 | 1.5 | | 1.4 | 1.53 | | 1.4 | 1.67 | 1.6 | 1.4 | 1.47 | 1.3 | | 1.3 | 1.59 | | | | 1.6 | 1.6 | 1.7 | 1.6 | 1.6 | 1.8 | | 1.5 | | 1.5 | | 1.4 | 1.6 | 1.3 | 1.7 | | 1.7 | 1.3 | 1.5 | 1.2 | 1.4 | 1.5 | | |
| | | (130 - | | E-4/F | 0.83 | 0.82 | | 0.78 | 0.85 | | 0.78 | 0.93 | 0.9 | 0.78 | 0.82 | 0.72 | | 0.72 | 0.88 | | | | 0.89 | 0.89 | 0.93 | 0.88 | 0.89 | 1.00 | | 0.08 | | 0.83 | | 0.78 | 0.88 | 0.72 | 0.94 | | 0.94 | 0.7 | 0.8 | 0.67 | 0.78 | 0.83 | | |
| | Температура размягч.по Вика | 50N | ISO 306 | C | | 160 | | 160 | | | | | 157 | | 160 | | 160 | | 116 | | | | 139 | | 160 | | | 160 | | | | | | | | | | | 159 | | | | | | | |
| | | | | F | | 320 | | 320 | | | | | 315 | | 320 | | 320 | | 241 | | | | 282 | | 320 | | | 320 | | | | | | | | | | | 318 | | | | | | | |
| Реологические | ПТР | 190°C, 2.16kg | ISO 1133 | g/10 min | 2.5 | 2.5 | 2.4 | 2.4 | 2.3 | 7 | 7 | 15 | 15 | 14 | 15 | 25 | 25 | 2.1 | 2.0 | 2.0 | 2.0 | 12 | 12 | 2.5 | 2.4 | 7 | 15 | 15 | | | | 2.5 | | | 2.2 | | 14 | 15 | 15 | 13 | 14 | | 25 | 2.4 | 2.3 | 15 |
| Электрические | Поверхностное сопротивл. | | IEC 60093 | ohm | | >1E15 | | | | | >1E15 | | 1E15 | | >1E15 | | >1E15 | | 1E14 | | | | 1E15 | | | | | | | | >1E15 | | | | | >1E15 | | | >1E15 | | | | | | | |
| | Объёмное сопротивлен. | | IEC 60093 | ohm m | | 1E12 | | | | | 1E13 | | 1E12 | | 1E12 | | 1E12 | | 1E12 | | | | >1E13 | | 1E11 | | | 1E11 | 1E11 | 1E12 | 1E13 | | | | | | | | | | 1E12 | | | | | |
| | Электрическая прочность | 1.0mm | IEC 60243-1 | kV/mm | | 32 | | | | | | | 33 | | | | 32 | | 39 | | | | | | 32 | | | 32 | | | | | | | | | | | | | | | | | | |
| | | | | V/mil | | 812 | | | | | | | 838 | | | | 812 | | 990 | | | | | | 812 | | | 812 | | | | | | | | | | | | | | | | | | |
| | Относюдиэлектрическая | 1E2 Hz | IEC 60250 | | | 3.8 | | | | | | | 3.9 | | 3.5 | | 3.8 | | 4.4 | | | | 3.6 | | 3.5 | | | 3.5 | 3.7 | 3.7 | 3.9 | | | | | | | | | | 3.6 | | | | | |
| | | 1E6 Hz | | | | 3.7 | | | | | 3.8 | | 3.9 | | 3.8 | | 3.8 | | 3.8 | | 3.1 | | 3.6 | | 3.4 | | | 3.8 | 3.9 | 3.8 | 3.9 | | | | | 3.1 | | | 3.5 | | 3.6 | | | | | |
| | Фактор рассеяниия | 1E2 Hz | IEC 60250 | E-4 | | 200 | | | | | | | 200 | | | | 180 | | 65 | | | | | | 180 | | | 180 | | | | | | | | | | | | | | | | | | |
| | | 1E6 Hz | | | | 40 | | | | | | | 60 | | 60 | | 50 | | | | 90 | | 160 | | 60 | | | 60 | 70 | | 50 | | | | | 90 | | | 60 | | | | | | | |
| | Треккинг индекс | | IEC 60112 | V | | 600 | | 600 | | | | 600 | 600 | | 600 | | 600 | | 600 | | 600 | | 600 | | 600 | | | 600 | 600 | | | | | | | 600 | | 600 | 600 | | 600 | | | | | |
| Горючесть | Огнестойкость | 0.75mm | IEC 60695-11-10 | | HB | HB | | | | HB | HB | HB | HB | HB | HB | HB | HB | | | | | HB | HB | | | | | | HB | HB | | HB | | | | | HB | HB | HB | | | | HB | | | |
| | | 0.84mm | | | | | | | | | | | | | | | | | | | | | | | HB | | HB | HB | | | | | | | | | | | | | | | | | | |
| | | 0.8mm | | | | | | | HB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1.5mm | | | HB | HB | HB | HB | HB | HB | HB | | | HB | HB | | | HB | HB | | HB | | | | | | | | | | HB | HB | | | | HB | HB | HB | HB | HB | HB | HB | HB | HB | | |
| | | 3.0mm | | | HB | HB | HB | HB | HB | HB | HB | | | HB | HB | | | HB | HB | | HB | | | | | | | | | | | HB | | | | HB | HB | HB | HB | HB | HB | HB | HB | HB | | |
| | Огнестойкость | 0.75mm | UL94 | | HB | | | | | HB | | HB | HB | HB | | HB | HB | | | | | HB | HB | | | | | | HB | HB | | HB | | | | | | | | | | | | | | |
| | | 0.84mm | | | | | | | | | | | | | | | | | | | | | | | | | HB | HB | | | | | | | | | | | | | | | | | | |
| | | 1.5mm | | | HB | | HB | HB | | HB | | | | HB | | | | | | | HB | | | | | | | | | | HB | HB | | | | | | | | HB | | | | HB | | |
| | | 3.0mm | | | HB | | | | | HB | | | | HB | | | | | | | | | | | | | | | | | | HB | | | | | | | | HB | | | | HB | | |
| | Кислородный индекс | | ISO 4589-1/-2 | % | | 21 | | 17 | | | | | 22 | 21 | 22 | | 23 | | 21 | | | | 23 | | 20 | | | 22 | 21 | | | | | | | 23 | | | 22 | | 18 | | | | | |
| | Дугостойкость | 0.75mm | UL 746A | arcs | | | | | | | | 200 | 200 | | | | 200 | | | | | 200 | 200 | | | | | | | 150 | | | | | | | | | | | | | | | | |
| | Тест горяч.проволокой | 0.75mm | UL 746A | s | | | | | | | | 8 | 8 | | | | 8 | | | | | 8 | 8 | | | | | | | 8 | | | | | | | | | | | | | | | | |
| | | 1.5mm | | | | | | | | | | 11 | 11 | | | | 13 | | | | | 11 | 11 | | | | | | | 9 | | | | | | | | | | | | | | | | |
| | | 3.0mm | | | | | | | | | | 15 | 15 | | | | 22 | | | | | 15 | 15 | | | | | | | 11 | | | | | | | | | | | | | | | | |
| Температурный индекс | RTI, Электрические | 0.75mm | UL 746B | C | 50 | 50 | | | | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | | | | | 105 | 105 | | | | | | 50 | 50 | | 50 | | | | | 50 | 50 | 50 | | | | 50 | | | |
| | | 0.84mm | | | | | | | | | | | | | | | | | | | | | | | | | 50 | 50 | | | | | | | | | | | | | | | | | | |
| | | 0.85mm | | | | | | | | | | | | | | | | | | | | | | | 50 | | | | | | | | | | | | | | | | | | | | | |
| | | 0.8mm | | | | | | | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1.5mm | | | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 105 | 105 | | 100 | | | | | | | | | | 105 | 50 | | | | 105 | 110 | 100 | 100 | 50 | 105 | 105 | 110 | 50 | | |
| | | 3.0mm | | | 110 | 110 | 110 | 110 | 110 | 110 | 110 | | | 110 | 110 | | | 105 | 105 | | 100 | | | | | | | | | | 105 | 50 | | | | 105 | 110 | 100 | 100 | 50 | 105 | 105 | 110 | 50 | | |
| | RTI, Удар | 0.75mm | UL 746B | C | 50 | 50 | | | | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | | | | | 85 | 85 | | | | | | 50 | 50 | | 50 | | | | | 50 | 50 | 50 | | | | 50 | | | |
| | | 0.84mm | | | | | | | | | | | | | | | | | | | | | | | | | 50 | 50 | | | | | | | | | | | | | | | | | | |
| | | 0.85mm | | | | | | | | | | | | | | | | | | | | | | | 50 | | | | | | | | | | | | | | | | | | | | | |
| | | 0.8mm | | | | | | | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1.5mm | | | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | | 85 | | | | | | | | | | 85 | 50 | | | | 85 | 85 | 80 | 80 | 50 | 85 | 85 | 85 | 50 | | |
| | | 3.0mm | | | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 85 | 85 | | 85 | | | | | | | | | | 85 | 50 | | | | 85 | 90 | 80 | 80 | 50 | 85 | 85 | 90 | 50 | | |
| | RTI, Прочность | 0.75mm | UL 746B | C | 50 | 50 | | | | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | | | | | 85 | 85 | | | | | | 50 | 50 | | 50 | | | | | 50 | 50 | 50 | | | | 50 | | | |
| | | 0.84mm | | | | | | | | | | | | | | | | | | | | | | | | | 50 | 50 | | | | | | | | | | | | | | | | | | |
| | | 0.85mm | | | | | | | | | | | | | | | | | | | | | | | 50 | | | | | | | | | | | | | | | | | | | | | |
| | | 0.8mm | | | | | | | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1.5mm | | | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 85 | 85 | | 85 | | | | | | | | | | 90 | 50 | | | | 90 | 90 | 85 | 85 | 50 | 90 | 90 | 90 | 50 | | |
| | | 3.0mm | | | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 85 | 85 | | 85 | | | | | | | | | | 90 | 50 | | | | 90 | 95 | 85 | 85 | 50 | 90 | 90 | 95 | 85 | | |
| Другие | Плотность | | ISO 1183 | kg/m3 | 1420 | 1420 | 1420 | 1420 | 1420 | 1420 | 1420 | 1420 | 1420 | 1420 | 1420 | 1420 | 1420 | 1330 | 1340 | 1370 | 1370 | 1390 | 1380 | 1420 | 1420 | 1420 | 1410 | 1420 | 1490 | 1600 | 1560 | 1400 | 1410 | 1410 | 1430 | 1530 | 1380 | | 1410 | 1440 | 1410 | 1540 | 1400 | 1420 | 1420 | 1420 |
| | | | | g/cm3 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.33 | 1.34 | 1.37 | 1.37 | 1.39 | 1.38 | 1.42 | 1.42 | 1.42 | 1.41 | 1.42 | 1.49 | 1.60 | 1.56 | 1.40 | 1.41 | 1.41 | 1.43 | 1.53 | 1.38 | | 1.41 | 1.44 | 1.41 | 1.54 | 1.4 | 1.42 | 1.42 | 1.42 |
| | Твёрдость, Rockwell | Scale M | ISO 2039/2 | | | 92 | | 92 | | | | | 92 | | 92 | | 92 | | 58 | | 59 | | 79 | | 92 | | | 92 | | | | | | | | | | | 92 | | | | | | | |
| | | Scale R | | | | 120 | | 120 | | | | | 120 | | 120 | | 120 | | 105 | | 113 | | 117 | | 120 | | | 120 | | | | | | | | | | | 120 | | | | | | | |
| | Водопоглощение | Equilibrium 50%RH | ISO 62, Similar to | % | | 0.3 | | | | | 0.1 | | 0.3 | 0.2 | 0.2 | | 0.26 | | 0.35 | | 0.3 | | 0.21 | | 0.3 | 0.21 | | 0.17 | 0.16 | 0.17 | 0.1 | | | | | 0.2 | | | 0.25 | | 0.17 | | | | | |
| | | Immersion 24h | | | | | | | | | | | 0.6 | | | | 0.56 | | | | | | | | 0.5 | 0.37 | | 0.5 | | | | | | | | 0.35 | | | | | 0.33 | | | 0.39 | | |
| | | Saturation, immersed | | | | 1.4 | | 1.0 | | | 0.4 | | 1.4 | 1.0 | 0.9 | | 1.40 | | 0.9 | | 0.9 | | 0.82 | | 1.2 | | | 1.2 | 1.1 | 1.26 | 0.8 | | | | | 1.0 | | | 1 | | 0.9 | | | | | |
| | Литьевая усадка | Normal, 2.0mm | ISO 294-4 | % | 1.8 | 2.0 | | 1.9 | 2.0 | | 1.8 | | 1.9 | 1.7 | 1.7 | 1.7 | 1.9 | 1.4 | 1.4 | | 1.9 | 1.5 | 1.6 | | 1.9 | 1.8 | | 1.9 | 1.4 | 1.2 | 1.6 | 1.8 | | 1.5 | 1.7 | 1.4 | 1.7 | | 1.8 | 1.6 | 1.7 | 1.5 | 1.6 | 2.0 | | 1.9 |
| | | Parallel, 2.0mm | | | 2.1 | 2.2 | | 2.1 | 1.9 | | 1.9 | | 2.0 | 1.7 | 1.8 | 1.8 | 1.9 | 1.3 | 1.3 | | 2.1 | 1.5 | 1.7 | | 2.1 | 1.9 | | 2.0 | 1.0 | 0.4 | 1.2 | 2.0 | | 1.8 | 1.8 | 2.0 | 1.8 | | 1.9 | 1.9 | 1.8 | 1.9 | 1.6 | 1.8 | | 1.8 |
| Переработка | Температура расплава (диапазон) | | | C | 210-220 | 210-220 | 210-220 | 210-220 | 210-220 | 210-220 | 210-220 | 210-220 | 210-220 | 210-220 | 210-220 | 210-220 | 210-220 | 200-210 | 200-210 | 200-210 | 200-210 | 200-210 | 200-210 | 210-220 | 210-220 | 210-220 | 210-220 | 210-220 | 210-220 | 210-220 | 210-220 | 210-220 | 210-220 | 210-220 | 210-220 | 210-220 | 210-220 | 210-220 | 210-220 | 210-220 | 210-220 | 210-220 | 200-215 | 210-220 | 200-210 | 200-210 |
| | | | | F | 410-430 | 410-430 | 410-430 | 410-430 | 410-430 | 410-430 | 410-430 | 410-430 | 410-430 | 410-430 | 410-430 | 410-430 | 410-430 | 390-410 | 390-410 | 390-410 | 390-410 | 390-410 | 390-410 | 410-428 | 410-430 | 410-425 | 410-430 | 410-430 | 410-430 | 410-430 | 410-430 | 410-430 | 410-430 | 410-430 | 410-430 | 410-430 | 410-430 | 410-430 | 410-430 | 410-430 | 410-430 | 410-430 | 390-420 | 410-430 | 390-410 | 390-410 |
| | Температура расплава | | | C | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 205 | 205 | 205 | 205 | 205 | 205 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 205 | 205 |
| | | | | F | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 400 | 400 | 400 | 400 | 400 | 400 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 400 | 400 |
| | Температура формы (диапазон) | | | C | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 40-60 | 40-60 | 40-60 | 40-60 | 40-60 | 40-60 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 60-100 | 80-100 | 80-100 | 80-100 |
| | | | | F | 175-212 | 175-210 | 175-212 | 175-210 | 175-210 | 175-212 | 175-210 | 175-210 | 175-210 | 175-212 | 175-210 | 175-210 | 175-210 | 100-140 | 100-140 | 100-140 | 100-140 | 100-140 | 100-140 | 175-212 | 175-210 | 175-210 | 175-210 | 175-210 | 175-210 | 175-210 | 175-210 | 175-210 | 175-210 | 175-210 | 175-210 | 175-210 | 175-210 | 175-210 | 175-210 | 175-210 | 175-210 | 175-210 | 140-210 | 175-210 | 175-210 | 175-210 |
| | Температура формы | | | C | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 50 | 50 | 50 | 50 | 50 | 50 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| | | | | F | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 122 | 122 | 122 | 122 | 122 | 122 | 194 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 194 | 195 | 195 | 195 | 195 | 195 | 195 |
| | Время сушки, сушилка с осушенным воздухом) | | | h | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 |
| | температура сушки | | | C | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| | | | | F | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 176 | 175 | 175 | 175 | 175 | 175 | 175 |
| | Влагосодержание при переработке | | | % | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.1 | <0.1 | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.1 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| | Давление подпитки | | | MPa | 90-110 | 90-110 | 90-110 | 90-110 | 90-110 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 60-80 | 60-80 | 60-80 | 60-80 | 60-80 | 60-80 | 90-110 | 90-110 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 90-110 | 80-100 | 80-100 | 90-110 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 80-100 | 90-110 | 90-110 | 80-100 |
| | | | | kpsi | 13-15 | 13-16 | 13-16 | 13-16 | 13-16 | 12-15 | 12-15 | 12-15 | 12-15 | 12-15 | 12-15 | 12-15 | 12-15 | 9-12 | 9-12 | 9-12 | 9-12 | 9-12 | 9-12 | 13-16 | 13-16 | 12-15 | 12-15 | 12-15 | 12-15 | 12-15 | 12-15 | 13-16 | 12-15 | 12-15 | 13-16 | 12-15 | 12-15 | 12-15 | 12-15 | 12-15 | 12-15 | 12-15 | 12-15 | 13-16 | 13-16 | 12-15 |