

| Property | ASTM Test Method | PVDF | Polycarb | Radiation Stable PC | Polypro | Nylona | GF Nylona | ABS | MABS | Polysulfone | Acetal |
|--|------------------|---------|----------|---------------------|---------|--------|-----------|-----------|-------|-------------|--------|
| Tensile Strength | D638 | 5,400 | 10,000 | 9,800 | — | 12,000 | 27,000 | 4,800 | — | — | — |
| Elongation at Break, % | D638 | 100-400 | 120 | 150 | 375 | 300 | 3 | 50 | 12 | 50-100 | 40 |
| Tensile Yield Strength, psi | D638 | 6,500 | 9,200 | 9,800 | 4,400 | 12,000 | — | 5,700 | 6,960 | 10,200 | 9,900 |
| Flexural Modulus, kpsi | D790 | 360 | 330 | 350 | 170 | 410 | 1,300 | 330 | — | 390 | 450 |
| Rockwell Hardness D | D785 | — | R118 | R118 | R80-102 | R121 | — | R107 | — | — | R122 |
| Rockwell Hardness M | — | — | M75 | M72 | — | M79 | M101 | — | — | M69 | M89 |
| Shore Hardness D | D2240 | D76-80 | — | — | — | — | — | — | — | — | — |
| Coef. of Linear 10-5 in/in/°F | D696 | 7.6 | 3.9 | 3.8 | — | 4 | 1.3 | 5.5 | — | 3.1 | — |
| Deflection Temp°F @264psi | D648 | 244 | 266 | 252 | — | 194 | 480 | 173 | 194 | 345 | 216 |
| Deflection Temp°F @66psi | D648 | — | 273 | — | 190 | 455 | — | — | 201 | 358 | 332 |
| Water Absorption, %, 24 h | D570 | 0.015 | 0.15 | 0.15 | 0 | 1.2 | 0.7 | 0.25-0.40 | 0.7 | 0.3 | 0.4 |
| Izod Impact, (Notched) ft-lb/in | D256 | 3.1 | 16.0 | 14.0 | 0.5 | 1.0 | 2.2 | 6.0 | 1.31 | 1.3 | — |

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