

## NYLON TYPICAL PROPERTIES

|                                                  | Units                      | ASTM Test | NYLON           |
|--------------------------------------------------|----------------------------|-----------|-----------------|
| Tensile strength                                 | psi                        | D-638     | 10,000-13,500   |
| Flexural modulus                                 | psi                        | D-790     | 420,000-500,000 |
| Izod impact (notched)                            | ft-lbs/in of notch         | D-256     | 0.7-0.9         |
| Heat deflection temperature<br>@264 psi          | °F                         | D-648     | 200-400         |
| Maximum continuous service<br>Temperature in air | °F                         |           | 230             |
| Water absorption<br>(immersion 24 hour)          | %                          | D-570     | 0.60-1.20       |
| Coefficient of linear<br>Thermal expansion       | in/in/°F x 10 <sup>5</sup> | D-696     | 5.0             |
| Coefficient of friction (dynamic)                |                            |           | 0.22            |