

| Material Criteria | Natural Nylon 66 | UV Stabilised Nylon 66 | Heat Stabilised Nylon 66 | Flame Retardent Nylon 66 | Weather Resistant Polypropylene | Weather Resistant Nylon 12 | TEFZEL | Stainless Steel |
|-----------------------------|------------------|------------------------|--------------------------|--------------------------|---------------------------------|----------------------------|----------------|--|
| Colour | Natural / Black | Black | Light Green | White | Black | Black | Blue | Metalic and Black Coating |
| Overall Weatherability | 3 | 5 | 4 | 3 | 6 | 7 | 9 | 10 |
| Loop Tensile Strength | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 10 |
| Operating Temperature | -40°C to 85°C | -40°C to 85°C | -40°C to 125°C | -40°C to 85°C | -40°C to 85°C | -40°C to 80°C | -46°C to 150°C | Uncoated: -80°C to 538°C Coated: -80°C to 150°C |
| Low Temperature Service | 6 | 6 | 6 | 5 | 6 | 6 | 7 | 10 |
| High Temperature Service | 5 | 5 | 6 | 5 | 5 | 5 | 8 | 10 |
| Flammability | 6 | 6 | 6 | 8 | 2 | 3 | 9 | 10 |
| Flammability Rating | UL 94V-2 | UL 94V-2 | UL 94V-2 | UL 94V-0 | UL 94V-HB | UL 94V-2 | UL 94V-0 | Uncoated: Fireproof Coated: UL 94V-0 |
| Ultraviolet Resistance | 1 | 6 | 4 | 1 | 6 | 7 | 9 | 10 |
| Gamma Radiation Resistance | 3 | 3 | 3 | 3 | 5 | 4 | 9 | 10 |
| Overall Chemical Resistance | 6 | 6 | 6 | 6 | 8 | 8 | 10 | 9 |
| - Hydrocarbons | 9 | 9 | 9 | 9 | 6 | 9 | 10 | 10 |
| - Chlorinated | 7 | 7 | 7 | 7 | 5 | 8 | 10 | 10 |
| Hydrocarbons | 2 | 2 | 2 | 2 | 9 | 6 | 10 | 10 |
| - Acids | 7 | 7 | 7 | 7 | 9 | 7 | 10 | 8 |
| - Bases | 3 | 3 | 3 | 3 | 10 | 8 | 10 | 9 |
| - Salts | | | | | | | | |
| Relative Price | Low | Low | Low | Medium | Low | Medium | High | High |

* Rating given 10 = Most Suitable and 1 = Least Suitable

* Heat Stabilised material can perform at different operating temperatures under different load condition RTI (Relative Thermal Index) :

With Electrical load operating temperature : 140°C

With Electrical, Impact & Mechanical load operating temperature : 110°C

With Stress Mechanical & Electrical load operating temperature : 125°C