



Automotive/Electronic/Industrial Components:

✓ Electrical Terminals ✓ EV Charging Plugs ✓ Card Cores

Rigid 80 Nylon-like

High-Strength Rigid Material

Combining high toughness, high strength, and high-temperature resistance, it is suitable for automotive components, electronic and electrical components, and industrial polymer parts.



High
Rigidity



Strong
Support



Deformation
Resistance

Specs

1L/bottle

5L/bottle

20L/bottle

| | Test Method | Typical Value |
|---|-------------------------------------|---------------------|
| ✓ Tensile Properties | | |
| Tensile Modulus | ASTM D638 Type V 10 mm/min | 2400 MPa |
| Yield Strength | ASTM D638 Type V 10 mm/min | 85 MPa |
| Tensile Strength | ASTM D638 Type V 10 mm/min | 85 MPa |
| Elongation at Break | ASTM D638 Type V 10 mm/min | 6% |
| ✓ Flexural Properties | | |
| Flexural Strength | ASTM D790-B | 125 MPa |
| Flexural Modulus (Chord, 0.5-1%) | ASTM D790-B | 3200 MPa |
| ✓ Impact Properties | | |
| Unnotched Izod Impact, 23°C | ASTM D4812 | 250 J/m |
| Notched Izod Impact, 23°C | ASTM D256 | 25 J/m |
| ✓ Thermal Properties | | |
| Heat Deflection Temperature at 0.455 MPa/66 psi | ASTM D648 | 125 °C |
| Heat Deflection Temperature at 1.82 MPa/264 psi | ASTM D648 | 115 °C |
| ✓ General Properties | | |
| Hardness | ASTM D2240 | 89(instant),Shore D |
| Taber Abrasion | ASTM D4060 CS-17, 1 kg, 100% vacuum | 40 mg / 1000 cycles |
| ✓ Liquid Properties | | |
| Liquid Density | — | 1.10 g/mL |
| Viscosity (25°C) | — | 400 cP |

