

PRIMARY MFG

HI TEMP 300-AMB DLS

Industry-leading temperature resistance.



Tensile Properties, ASTM D638

| | Metric | U.S. |
|---------------------------|----------|-----------|
| Tensile Modulus | 4000 MPa | 580 KSI |
| Ultimate Tensile Strength | 81 MPa | 11750 PSI |
| Elongation at Break | | 2.6% |

Flexural Properties, ASTM D790

| | | |
|-------------------|----------|-----------|
| Flexural Modulus | 4260 MPa | 618 KSI |
| Flexural Strength | 140 MPa | 20305 PSI |

Impact Properties

| | | |
|----------------------------|---------|---------------|
| Notched Izod, ASTM D256 | 10 J/m | 0.2 Ft-lbs/in |
| Unnotched Izod, ASTM D4812 | 138 J/m | 2.6 Ft-lbs/in |

Thermal Properties

| | | |
|---|-----------------------|-----------------------|
| Heat Deflection, ASTM D648 | >300°C @0.455 MPa | >570°F @66 PSI |
| | >300°C @1.82 MPa | >570°F @264 PSI |
| Coefficient of Thermal Expansion, ASTM E831 | (0-100°C) 62 PPM/°C | (32-212°F) 34 PPM/°F |
| | (150-250°C) 54 PPM/°C | (302-482°F) 30 PPM/°F |

General Properties

| | | |
|---|------------------------|--------------------------|
| Density, ASTM D792 | 1.13 g/cm ³ | 0.047 lb/in ³ |
| Hardness, ASTM D2240 | | 89, Shore D |
| Water absorption, 23°C, 24 hours, ASTM D570 | | 0.36% |