

Technical Data Sheet

Glasic® UTS 141

Typical characteristics

- NEMA GPO-2
- High Strength
- Flame-Resistant Meets UL94 VO

Typical industries

- Распределительное устройство
- Электротехническая промышленность
- Ветроэнергетика Электроизоляционные компоненты
- Электронная промышленность

| | Test method | Unit | Guideline value |
|------------------------------------|-------------|--------------------|-----------------|
| General properties | | | |
| Part Number | | | 141 |
| NEMA Grade LI 1-1989 | NEMA LI-1 | | GPO-2 |
| Standard Color | | | Red |
| UL Temperature Index - Electrical | UL 746B | °C | 130 |
| UL Temperature Index - Mechanical | UL 746B | °C | 130 |
| UL Recognition File Number | | | E23525 |
| Mechanical properties | | | |
| Flexural Strength | ASTM D 790 | psi | 18,000 |
| Flexural Strength @130°C | ASTM D 790 | psi | 6,000 |
| Compressive Strength | ASTM D 695 | psi | 30,000 |
| Tensile Strength | ASTM D 638 | psi | 8,000 |
| IZOD Impact Strength (notched) | ASTM D 256 | ft. lb./in. | 8.0 |
| Shear Strength | ASTM D 732 | psi | 14,000 |
| Thermal properties | | | |
| Coefficient of Thermal Expansion | ASTM D 696 | (in./in.°C) x 10-5 | 2 |
| Flame resistance properties | | | |
| UL Subject 94 | UL 94 | | VO |



| | Test method | Unit | Guideline value |
|--|-------------|----------|-----------------|
| Ignition Time | | sec. | 75 |
| Burn Time | | sec. | 85 |
| Physical properties | | | |
| Water Absorption | ASTM D 570 | % by wt. | 0.8 |
| Specific Gravity | ASTM D 792 | | 1.8 |
| Dielectrical properties | | | |
| Electrical Strength - Perpendicular S/T in Air | ASTM D 149 | Vpm | 300 |
| Electrical Strength - Parallel S/S in Oil | ASTM D 149 | kV | 40 |
| Arc Resistance | ASTM D 495 | sec. | 130 |
| IEC Track Resistance (CTI) | UL 746A | V | 600+ |
| Permittivity, 60 Hz | ASTM D 150 | | 4.5 |
| Dissipation Factor, 60 Hz | ASTM D 150 | | 0.05 |

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