

PEI 9085 Technical Data Sheet (TDS)

| Mechanical Properties | Metric | Imperial | Test Method |
|-----------------------|----------|-----------|-------------|
| Tensile Strength | 54MPa | 7830 psi | ISO 527 |
| Tensile Modulus | 2050 MPa | 297 ksi | ISO 527 |
| Tensile Elongation | 3% | 3% | ISO 527 |
| Flexural Strength | 90 MPa | 13100 psi | ISO 527 |
| Flexural Modulus | 2170 MPa | 315 ksi | ISO 527 |

| Thermal Properties | Metric | Imperial | Test Method |
|---|--------|----------|-------------|
| Glass Transition Temperature | 186° C | 367 ° F | DSC |
| Deflection Temperature at 0.45MPa (66psi) | 158 C | 316 ° F | ISO 75 |

| Fire Testing* | Metric | Imperial | Test Method |
|-----------------------------------|-----------|-----------|-------------|
| Flammability Rating (*Base Resin) | V-0@1.5mm | V-0@1.5mm | UL 94 |

| Other Properties | Metric | Imperial | Test Method |
|------------------|-----------------------|------------|-------------|
| Density | 1.34g/cm ³ | 11.2IB/gal | ISO 1183 |

Updated on November 11, 2022