

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 May 11, 2026