

Fabric Reinforced Phenolic Film

Formula: Phenol

Thickness: 1.6mm

Length 1: 295mm

Length 2: 295mm

UOM Code: 080-186-70

SKU: 1000011467-group

Product Code: PL40-SH-000120

Material Properties for Composites

Thermal Properties

Element	Value
Upper working temperature(C)	130

Physical Properties

Element	Value
Density(gcm ³)	1.36

Mechanical Properties

Element	Value
Young's modulus - longitudinal(GPa)	6.3
Young's modulus - transverse(GPa)	6.3
Compressive strength - longitudinal(MPa)	310
Compressive strength - transverse(MPa)	200
Shear strength - in-plane(MPa)	90
Tensile strength - longitudinal(MPa)	68
Thermal expansion coefficient - long.(x10 ⁻⁶ strain K ⁻¹)	22