HST GROUP
Focus In Material Test

ISO 527-4，ISO 527-5，ASTM D3039，ASTM D5083，EN 2561，EN 2597 Tensile Properties of Polymer Matrix Composite Materials

Applications:

ASTM D3039 is a widely used standard for determining the tensile properties of composite materials. More specifically, this standard applies to composites that consist of a polymer matrix reinforced by either continuous or discontinuous high modulus fibers.

ASTM D3039 specimens are rectangular in shape with a constant cross-section.
The standard includes recommended specimen geometries for 0^o unidirectional, 90^o unidirectional, balanced and symmetric, and random-discontinuous material types.
ASTM D3039 can be used for both continuous and discontinuous fiber reinforcements, but the lay-up of the laminate specimen must be balanced and symmetric with respect to the test direction to ensure that the specimen does not twist or distort while under load.

Parameter:

Model	HST-GTT105B
Capacity	100kN
Specimen type	Polymer matrix composites,
Flat jaw	0~8,8~16,16~24mm
Round jaw	4~10,10~15,15~20mm
Temperature	0~40℃