HST GROUP
Focus In Material Test

ASTM D2344,ISO 14130, EN 2377, EN 2563 Short-Beam Testing of Polymer Matrix Composite Materials

Applications:

ASTM Interlaminar shear strength is a critical property of fiber-reinforced polymer matrix composites, indicating the strength of the bond between adjacent layers. This fixture, designed to comply with ASTM D2344, provides a standardized method for determining the apparent interlaminar shear strength of these advanced materials using a short-beam shear test. The fixture ensures accurate specimen preparation and alignment, allowing for precise measurement of the shear strength between laminate planes. This information is crucial for evaluating the performance of composite materials in various applications, ensuring their suitability for structural and load-bearing applications where shear stresses are prevalent, and contributing to the overall safety and reliability of composite structures.

Parameter:

Model	HST-GST204D
Standards	ASTM D2344, ISO 14130,EN 2563, EN 2377, JC/T773
Capacity	20kN
Specimen type	polymer matrix composite
Loading nose	R3mm
Support roller	R1.5mm,optional R2mm,R3mm and arc type
Span	6~50mm
Temperature	-70~350℃