

Tension

DIN EN ISO 527 -2	Plastics - Determination of tensile properties. Test conditions for molding and extrusion plastics
DIN EN ISO 527 -3	Plastics - Determination of tensile properties. Test conditions for films and sheets
DIN EN ISO 527 - 4	Plastics - Determination of tensile properties. Test conditions for isotropic and orthotropic fibre-reinforced plastic composites
DIN EN ISO 527 - 5	Carbon fibre reinforced plastics – determination of tensile properties
DIN EN 2561	Carbon fibre reinforced plastics - Unidirectional laminates. Tensile test parallel to the fibre direction
ASTM D 3039	Standard Test Method for Tensile Properties of Polymer Matrix Composite Materials
DIN EN 2597	Aerospace - Carbon fibre reinforced plastics - Unidirectional laminates. Tensile test perpendicular to the fibre direction

Compression

DIN EN ISO 14126	Fibre-reinforced plastic composites - Determination of compressive properties in the in-plane direction
ASTM D 6641	Compressive Properties of Polymer Matrix Composite Materials using a Combined Loading Compression (CLC) Test Fixture

Bend

DIN EN ISO 14125	Fibre-reinforced plastic composites -Determination of flexural properties
DIN EN ISO 178	Plastics - Determination of flexural properties
ASTM D 790M	Standard Test Method for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials

Distortion

DIN EN ISO 14130	Fibre-reinforced plastic composites - Determination of apparent interlaminar shear strength by short-beam method
DIN EN 2563	Carbon fibre reinforced plastics - Unidirectional laminates. Determination of the apparent interlaminar shear strength (Aerospace)
ASTM D 2344	Short-Beam Strength of Polymer Matrix Composite Materials and Their Laminates
ISO 14129	Fibre-reinforced plastic composites - Determination of the in-plane shear stress/shear strain response, including the in-plane shear modulus and strength by the $\pm 45^\circ$ tension test method
DIN EN 2243-1	Non-metallic materials - Structural adhesives. Test method. Single lap shear
DIN EN 2243-6	Non-metallic materials. Structural adhesives - Test method. Determination of shear stress and shear strain
ASD-STAN prEN 6060	Fibre reinforced plastics - Test method - Determination of the tensile single lap shear strength
DIN 65148	Fibre-reinforced plastics - determination of interlaminar shear strength by tensile test

Fracture mechanics

ISO 15024	Fibre-reinforced plastic composites - Determination of mode I interlaminar fracture toughness, G _{IC} , for unidirectionally reinforced materials
ASD-STAN prEN 6033	Carbon fibre reinforced plastics - Test method - Determination of interlaminar fracture toughness energy - Mode I – G _{IC}
ASD-STAN prEN 6034	Carbon fibre reinforced plastics - Test method - Determination of interlaminar fracture toughness energy - Mode II – G _{IIc}

- ASTM D 5528 Standard Test Method for Mode I Interlaminar Fracture Toughness of Unidirectional Fiber-Reinforced Polymer Matrix Composites
- ASTM D 7905 Standard Test Method for Determination of the Mode II Interlaminar Fracture Toughness of Unidirectional Fiber-Reinforced Polymer Matrix Composites

Sandwich

- ASTM C 273 Standard Test Method for Shear Properties of Sandwich Core Materials
- DIN 53294 Testing of sandwiches - Shear test
- ASTM D 7249 Standard Test Method for Facing Properties of Sandwich Constructions by Long Beam Flexure
- ASTM C 364 Standard Test Method for Edgewise Compressive Strength of Sandwich Constructions