THS705
DISPOSITIVO PER ASTM D6641

THS705 dispositivo di compressione combinato (CLC) progettato per determinare le proprietà di resistenza alla compressione e di rigidità dei materiali compositi a matrice polimerica, come specificato dalle norme ASTM D6641.

• **Conforme ASTM D6641, ISO 14126**

Categorie: Grip-Engineering, G01 - Compressione

PRODUCT DESCRIPTION

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Specimens may be tabbed or untabbed depending on the specimen material and specimen failure during initial testing. When a material has a high compressive strength in the direction of loading, end crushing may occur. The fixture clamping forces induced by the applied bolt torques required to successfully fail the composite before specimen end crushing must not induce significant stress concentrations at the ends of the gage section of the specimen. If the fixture clamping forces do induce significant stress concentrations at the ends of the gage section, tabbing is required for the material in order to increase the load-bearing area at the specimen ends. Touchstone Engineers are experienced in specimen preparation and tabbing, which may be vital in D6641 testing to ensure accurate results.

The composite properties in the test direction that may be obtained from this test method are ultimate compressive strength, ultimate compressive strain, compressive (linear or chord) modulus of elasticity, and Poisson’s ratio in compression. The data from this test method is designed to produce compressive property data for material specifications, research and development, quality assurance, and structural design and analysis.

Reference: ASTM D6641 – Standard Test Method for Compressive Properties of Polymer Matrix Composite Materials Using a Combined Loading Compression (CLC) Test Fixture, www.astm.org.