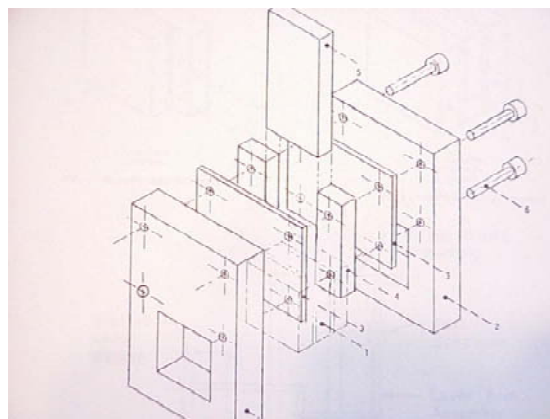


FIVE-PLY SHEAR TEST FIXTURE FOR TRANSPARENT LAMINATIONS



Specimen: Width 2.0"
 Length 3.0"

Fixture: Construction High strength steel with protective finish
 Temperature -120 to 250°F (-85 to 120°C)
 Mounting 1/2" -20 coupling top, platen bottom (platen not inc)
 Capacity 20,000 lbs (88 kN)
 Weight 50 lbs approximately
 Dimensions Assembled 3" x 6" x 8"
 Standard Manufactured in accordance with ASTM F521

Model ASTM.F0521.13 - Five Ply Shear Test Fixture

The fixture consists of two steel housings, a hardened steel loading bar and two steel spacers for 0.226" thick center ply, two shims for 0.050 thick interlayer and all hardware necessary. The fixture includes a set of shims the same thickness as the interlayer. The spacers and the hardened loading bar are the same thickness as the center ply. For each different center ply thickness, (2) steel spacers and a hardened loading bar will be needed. Also supplied with (1) grip tab / 4" diameter loading platen assembly, and (1) grip tab / 6" diameter loading platen assembly. The fixture is constructed of high strength steel with a protective finish. Sold in accordance with ASTM F521.

MODEL NO. ASTM.F0521.13

FLATWISE, TENSION, TESTING, ASTM, BOND,

ACCESSORIES

SPARE PARTS

Model No. ASTM.F0521.13.H - Extra set of (2) steel shims for 0.060" thick interlayer.

Model No. ASTM.F0521.13.P - Extra set of (2) steel spacers and (1) hardened loading bar for 0.250" center ply.

REFERENCE DOCUMENT AND TEST METHOD SCOPE:

<http://www.astm.org/Standards/F521.htm>

ASTM F521 - 83(2010)

Standard Test Methods for Bond Integrity of Transparent Laminates

1.1 These test methods cover determination of the bond integrity of transparent laminates. The laminates are usually made of two or more glass or hard plastic sheets held together by an elastomeric material. These test methods are intended to provide a means of determining the strength of the bond between the glass or plastic and the elastomeric interlayer under various mechanical or thermal loading conditions.

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Material Testing Technology