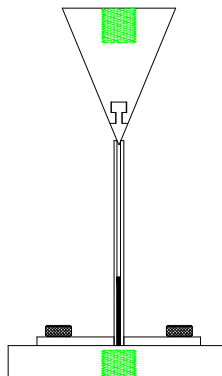


CLEAVAGE FRACTURE STRENGTH TEST FIXTURE (SS)



| | | |
|-----------|--------------|---|
| Specimen: | Width | 6" |
| | Thickness | Up to 0.25" |
| | Length | 6" |
| Fixture: | Construction | Stainless steel |
| | Temperature | -240 to 600°F (-152 to 318°C) |
| | Mounting | 1"-14 threaded couplings |
| | Capacity | 20,000 lbs |
| | Weight | 27 lbs approximately |
| | Dimensions | 6.5" x 6" x 11 approximately |
| | Standard | Manufactured in accordance with ASTM D5041. |

Model No. ASTM.D5041.10 - Cleavage Fracture Strength of Adhesives in Bonded Joints

The fixture consists of:

Stainless Steel Cleavage Wedge with Removable Tip. The wedge is a 45° include angle wedge that is 6" in depth. A 6" long removable tip is held in place by a "T" slot. The wedge is 4" tall and is supplied with a 1"-14 threaded coupling for attachment to the test machine.

Specimen Support Fixture. The lower support fixture is a 6" deep horizontal loading plate. The plate has two adjustable supports that are held in place with hand tightened knobs. The supports can be adjusted from 0" to 1.0". The fixture is constructed from stainless steel in accordance with ASTM D5041 and is supplied with a 1"-14 threaded coupling for attachment to the test machine.

MODEL NO. ASTM.D5041.10

ASTM, FRACTURE, CLEAVAGE, ADHESIVE,

ACCESSORIES

Upper and lower fixture attachment is supplied with 1" -14 female coupling. (Common adapter sizes include:)

Model No. M03S36 - 1.25" Male Clevis (Type D) to 1" -14 Threaded Stud

Model No. S42S36 - 1.25" -12 to 1" -14 Threaded Step Stud

Model No. S48S36 - 1.5" -12 to 1" -14 Threaded Step Stud

Model No. S60S36 - 2" -12 to 1" -14 Threaded Step Stud

Model No. LN36 - Threaded Locking Nut with Knurled OD

SPARE PARTS

Contact us for spare or replacement parts

REFERENCE DOCUMENT AND TEST METHOD SCOPE:

<http://www.astm.org/Standards/D5041.htm>

ASTM D5041-98(2012)

Standard Test Method for Fracture Strength in Cleavage of Adhesives in Bonded Joints

1.1 This test method covers the determination of fracture strength in cleavage of adhesive bonds when tested on standard reinforced plastic specimens and under specified conditions of preparation and testing (Note 1).

Note 1—While this test method is intended for use in reinforced plastic applications, it may be used for measuring fracture properties of adhesives using other plastic adherends, provided consideration is given to the thickness and should be of equal rigidity to the plastic adherends.

1.2 The values stated in SI units are to be regarded as the standard. The values given in parentheses are for information only.

1.3 This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

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