

## ACCESSORIES FOR ASTM.D1693.10 - ENVIRONMENTAL STRESS-CRACKING OF ETHYLENE PLASTICS



Specimen      Width      Model No. ACC.D1693.1001 - Nicking Jig System - Consists of a sturdy base with a clamping system to hold the nicking blade. A loading handle is attached at the rear of the jig that allows the pivoting loading platen to press squarely against the specimen. The base is provided with machined guides to align the specimen for proper nicking. The jig is supplied with 10 nicking blades.

                 Thickness

                 Length

                 Depth

Fixture      Standard

Model No. ACC.D1693.1002 - Specimen Holder System - A hard parallel brass channel section with circulation holes machined in the back. Overall length is 6.5". Includes (2) Specimen Holders, (2) Test Tubes, (2) Corks, (100 sq-in) aluminum foil, and (1) Test Tube Rack.

Model No. ACC.D1693.1001 - Nicking Jig System - Consists of a sturdy base with a clamping system to hold the nicking blade. A loading handle is attached at the rear of the jig that allows the pivoting loading platen to press squarely against the specimen. The base is provided with machined guides to align the specimen for proper nicking. The jig is supplied with 10 nicking blades.

Model No. ACC.D1693.1002 - Specimen Holder System - A hard parallel brass channel section with circulation holes machined in the back. Overall length is 6.5". Including (2) Test Tubes, (2) Corks, Aluminum foil, and a Test Tube Rack.

Model No. ACC.D1693.1003 - Bending Clamp - A parallel set of clamping bars brought together by means of two clamping screws. The parallel bars are supplied with individual specimen stations to insure proper spacing in the immersion test.

Model No. ACC.D1693.1004 - Transfer Tool Assembly - A hinged set of parallel arms that are brought together around the specimens in the clamping fixture to hold the specimens fast, while the clamping fixture is removed.

Model No. ACC.D1693.1005 - Set of (10) Custom Nicking Jig Replacement Blades - Blades are constructed to fit

## **MODEL NO. ASTM.D1693.10.A**

### **ASTM, PLASTIC, ENVIRONMENTAL, STRESS,**

#### **ACCESSORIES**

ACC.D1693.1001 - Nicking Jig System with (10) Custom Razor Blades

ACC.D1693.1002 - Specimen Holder System with Brass Channel Specimen Holder, (2) Test Tubes, (2) Corks, Test Tube Rack and Aluminum Foil

ACC.D1693.1003 - Bending Clamp

ACC.D1693.1004 - Transfer Tool Assembly

ACC.D1693.1005 - Set of (10) Custom Nicking Jig Replacement Blades

ACC.D1693.1006 - Set of (2) 30mm Dia. Test Tubes with Corks

ACC.D1693.1007 - Test Tube Rack

#### **SPARE PARTS**

#### **REFERENCE DOCUMENT AND TEST METHOD SCOPE:**

Scope: <http://www.astm.org/Standards/D1693.htm>

ASTM D1693-15

Standard Test Method for Environmental Stress-Cracking of Ethylene Plastics

1.1 This test method covers the determination of the susceptibility of ethylene plastics, as defined in Terminology D883, to environmental stress-cracking when subjected to the conditions herein specified. Under certain conditions of stress and in the presence of environments such as soaps, wetting agents, oils, or detergents, ethylene plastics may exhibit mechanical failure by cracking.

1.2 The values stated in SI units are to be regarded as standard.

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.

NOTE 1 There is no known ISO equivalent to this standard.

Extracted, with permission, from ASTM D1693 Standard Test Methods of Static Tests of Lumber in Structural Sizes, copyright ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19482. A copy of the complete standard may be purchased from ASTM International, [www.astm.org](http://www.astm.org).

*Material Testing Technology*

420 Harvester Court - Wheeling, IL. 60090 – Ph: (847) 215-7448 Fax: (847) 215-7449 E-mail: [sales@mtusa.net](mailto:sales@mtusa.net)