



1040 N. Meridian Rd., P.O. Box 1556, Youngstown, Ohio 44501
Phone: (330) 799-3333 Toll Free: 1-800-677-1799 FAX: (330) 797-3215
www.trumbull-mfg.com

POLYWRAP POLYETHYLENE ENCASEMENT FOR DUCTILE IRON PIPE

Trumbull Manufacturing is the manufacturer of the Polywrap (LLDPE pipe encasement) shown in the Trumbull Manufacturing Waterworks Catalog. Trumbull brand polywrap is only domestically manufactured within the United States.

Trumbull Polywrap is manufactured as a blown film tubing. The product is created through a seamless blown extrusion process, so the circumference of the product is totally seamless. The polywrap starts out looking somewhat like a seamless piece of pipe. But the polywrap material is thin and flexible, so as it proceeds through the manufacturing process it is flattened, perforated if required, rolled, and boxed and labeled for shipment. Trumbull Polywrap is available in stock colors of black, blue, green, lavender (purple), and clear. It is available in many other colors, sizes up to 121", perforation lengths, roll lengths etc. as a custom run.

Trumbull polywrap is a very high quality product exclusively manufactured to current AWWA C105 specifications. Additionally Trumbull Polywrap meets or exceeds, but is not limited to the following minimum AWWA C105 physical properties:

Average Gauge	Tensile Strength	Elongation	Tear Strength
.008 minimum	MD psi 3,600	MD % 800	MD g 2,550
	TD psi 3,600	TD % 800	TD g 2,550

WATERWORKS AND SEWER PRODUCTS FOR CONTRACTORS AND MUNICIPALITIES



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Dependable Service Since 1922

To Whom It May Concern:

This letter is to certify that Trumbull Polywrap products are made in the United States of America and meet, or exceed, all of the material requirements specified in the following American National Standard:

American Water Works Association
ANSI/AWWA C105/A21.5-05
Revision of ANSI/AWWA C105/A21.5-99
American National Standard
for
Polyethylene Encasement
For Ductile-Iron Pipe Systems
effective date: December 1, 2005

TRUMBULL INDUSTRIES, INC.

F. Craig Newmeyer
Manager, Manufactured Products
Municipal Materials Division

Sworn to and Subscribed before me this 11th day of January 2010.

Notary Public

MARY ANN THOMPSON, Notary Public
State of Ohio
My Commission Expires December 31, 2011

**ARRA Buy American Substantial Transformation Checklist
to be completed by manufacturer**

Questions for Determining Whether Substantial Transformation Has Occurred in the U.S	YES	NO
1. Were all of the components of the manufactured good manufactured in the United States, and were all of the components assembled into the final product in the U.S.? (If the answer is yes, then this is clearly manufactured in the U.S., and the inquiry is complete)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Was there a change in character or use of the good or the components in America? (These questions are asked about the finished good as a whole, not about each individual component)	<input type="checkbox"/>	<input type="checkbox"/>
3. Was(/were) the process (es) performed in the U.S. (including but not limited to assembly) complex and meaningful?	<input type="checkbox"/>	<input type="checkbox"/>

Substantial transformation has occurred in the U.S. if answer yes to either Question 1, 2, or 3

To Answer Question 2, Ask the Following	YES	NO
2. Was there a change in character or use of the good or the components in America? (These questions are asked about the finished good as a whole, not about each individual component)	<input type="checkbox"/>	<input type="checkbox"/>
a. Was there a change in the physical and/or chemical properties or characteristics designed to alter the functionality of the good?	<input type="checkbox"/>	<input type="checkbox"/>
b. Did the manufacturing or processing operation result in a change of a product(s) with one use into a product with a different use?	<input type="checkbox"/>	<input type="checkbox"/>
c. Did the manufacturing or processing operation result in the narrowing of the range of possible uses of a multi-use product?	<input type="checkbox"/>	<input type="checkbox"/>

If answer yes to any of 2a, 2b or 2c, then answer to Question 2 is yes

To Answer Question 3, Ask the Following	YES	NO
3. Was(/were) the process(es) performed in the U.S. (including but not limited to assembly) complex and meaningful?	<input type="checkbox"/>	<input type="checkbox"/>
a. Did the process(es) take a substantial amount of time?	<input type="checkbox"/>	<input type="checkbox"/>
b. Was(/were) the process(es) costly?	<input type="checkbox"/>	<input type="checkbox"/>
c. Did the process(es) require particular high level skills?	<input type="checkbox"/>	<input type="checkbox"/>
d. Did the process(es) require a number of different operations	<input type="checkbox"/>	<input type="checkbox"/>
e. Was substantial value added in the process(es)?	<input type="checkbox"/>	<input type="checkbox"/>

If answer yes to at least two of 3a, 3b, 3c, 3d, or 3e, then answer to Question 3 is yes



 Manufacturer's Certification (signature)