

TAM International, Inc.	
Mild Carbon Steel Material for Non-Load Bearing Non-Pressure Containing Parts	Specification: ESMA-1002
Reviewed By: Mark Wyatt, Engineering Manager	Revision Level: A
Approved By: Greg Fletcher, Quality Assurance Manager	

1. Scope

1.1. This document provides specifications for mild carbon steel material used for producing non-load bearing or non-pressure containing component parts in TAM products.

2. Acceptable Materials / Chemistry

2.1. Any carbon steels that fall within 0.12 – 2.00 % carbon content are acceptable as long as the material meets all other requirements of this specification.

3. Mechanical Properties

3.1. Since the material defined by this specification is utilized exclusively in non-load bearing or non-pressure containing applications, the mechanical properties are not specified.
No mechanical properties are required by this specification to be reported unless otherwise specified.

4. Weldability

4.1. Material meeting the requirements of this specification must be classified as P 1 by ASME BPVC-IX.

5. Dimensional Tolerances

5.1. Unless otherwise specified, dimensional tolerances shall comply with the following:

- 5.1.1. Plates shall comply with the dimensional requirements of ASTM A568.
- 5.1.2. Tubes shall comply with the dimensional requirements of ASTM A450.
- 5.1.3. Bars shall comply with the dimensional requirements of ASTM A29.
- 5.1.4. Shapes shall comply with the dimensional requirements of ASTM A6.

6. Reports

6.1. Material ordered to this specification shall be accompanied by a Material Test Report. Report shall contain the following minimum information which will be subject to inspection upon receipt:

- 6.1.1. Statement of material type/grade
- 6.1.2. Chemical analysis that shows the carbon content
- 6.1.3. Material Identification Number

7. Material Acceptance

7.1. All requirements of this specification are subject to verification at the discretion of TAM International.
7.2. TAM Engineering Manager or designee is ultimately responsible for accepting or rejecting material that does not conform to any portion of this specification.

ESMA-1002	Mild Carbon Steel Material for Non-Load Bearing or Non-Pressure Containing Parts	Rev A	Page 1 of 1
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Rev	Date	Description	Prepared By:	Reviewed By / Approved By	Date
A	02/09/15	New Document	M. Wyatt		

ESMA-1002	Mild Carbon Steel Material for Non-Load Bearing or Non-Pressure Containing Parts	Rev A	Page 1 of 1
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