

shall have the letter “S” at least 3/8 inch in size stamped with steel stamp or cast on the outside surface to indicate the plug is solid.

(b) [Reserved]

**§ 179.200-22 Test of tanks.**

(a) Each tank shall be tested by completely filling the tank and dome or nozzles with water, or other liquid having similar viscosity, of a temperature which shall not exceed 100 °F. during the test; and applying the pressure prescribed in §179.201-1. Tank shall hold the prescribed pressure for at least 10 minutes without leakage or evidence of distress. All rivets and closures, except safety relief valves or safety vents, shall be in place when test is made.

(b) Insulated tanks shall be tested before insulation is applied.

(c) Rubber-lined tanks shall be tested before rubber lining is applied.

(d) Caulking of welded joints to stop leaks developed during the foregoing tests is prohibited. Repairs in welded joints shall be made as prescribed in AAR Specifications for Tank Cars, appendix W (IBR, see §171.7 of this subchapter).

[29 FR 18995, Dec. 29, 1964, as amended at 68 FR 75762, Dec. 31, 2003]

**§ 179.200-23 Tests of pressure relief valves.**

(a) Each valve shall be tested by air or gas for compliance with §179.15 before being put into service.

(b) [Reserved]

[29 FR 18995, Dec. 29, 1964. Redesignated at 32 FR 5606, Apr. 5, 1967, as amended at 62 FR 51561, Oct. 1, 1997]

**§ 179.200-24 Stamping.**

(a) To certify that the tank complies with all specification requirements, each tank shall be plainly and permanently stamped in letters and figures at least 3/8 inch high into the metal near the center of both outside heads as follows:

	Example of required stamping
Specification .....	DOT-111A
Material .....	ASTM A 516-GR 70
Cladding material (if any) .....	ASTM A240-304 Clad
Tank builder's initials .....	ABC
Date of original test .....	00-0000
Car assembler (if other than tank builder) .....	DEF

(b) On Class DOT-111 tank cars, the last numeral of the specification number may be omitted from the stamping; for example, DOT-111A100W.

(c) After July 25, 2012, newly constructed DOT tank cars must have their DOT specification and other required information stamped plainly and permanently on stainless steel identification plates in conformance with the applicable requirements prescribed in §179.24(a). Tank cars built before July 25, 2012, may have the identification plates instead of or in addition to the head stamping.

[29 FR 18995, Dec. 29, 1964. Redesignated at 32 FR 5606, Apr. 5, 1967, and amended by Amtd. 179-10, 36 FR 21351, Nov. 6, 1971; Amtd. 179-52, 61 FR 28680, June 5, 1996; 68 FR 48571, Aug. 14, 2003; 77 FR 37985, June 25, 2012]

**§ 179.201 Individual specification requirements applicable to non-pressure tank car tanks.**

**§ 179.201-1 Individual specification requirements.**

In addition to §179.200, the individual specification requirements are as follows:

DOT Specification <sup>1</sup>	Insulation	Bursting pressure (psig)	Minimum plate thickness (inches)	Test pressure (psig)	Bottom outlet	Bottom washout	References (179.201 - ***)
111A60ALW1 ...	Optional .....	240	1/2	60	Optional .....	Optional .....	6(a).
111A60ALW2 ...	Optional .....	240	1/2	60	No .....	Optional.	
111A60W1 .....	Optional .....	240	7/16	60	Optional .....	Optional .....	6(a).
111A60W2 .....	Optional .....	240	7/16	60	No .....	Optional.	
111A60W5 .....	Optional .....	240	7/16	60	No .....	No .....	3, 6(b).
111A60W6 .....	Optional .....	240	7/16	60	Optional .....	Optional .....	4, 5, 6(a), 6(c).
111A60W7 .....	Optional .....	240	7/16	60	No .....	No .....	4, 5, 6(a).
111A100ALW1	Optional .....	500	5/8	100	Optional .....	Optional .....	6(a).
111A100ALW2	Optional .....	500	5/8	100	No .....	Optional.	
111A100W1 .....	Optional .....	500	7/16	100	Optional .....	Optional .....	6(a).