

## PHMSA Final Rule

### PolyPipe Gas Distribution Products (GDY20 & GDB50)

On January 5, 2015 PHMSA issued Final Rule – PHMSA-2011-0037 which incorporates by reference (IBR) ASTM D2513-09a, except section 4.2, into 49 CFR Part 192. This rule became effective March 6, 2015.

PolyPipe complies with the provisions of this rule.

This rule excludes Section 4.2 (ASTM D2513-09a), thereby prohibiting the use of rework in gas distribution pipe. ALL PolyPipe products for gas distribution service have been REWORK-FREE since July 2012. Even though all gas pipes are now required to be rework-free, some utilities either require or prefer to have visual confirmation of this in the pipe marking. PolyPipe includes NR” in the printline to confirm rework-free.

PolyPipe manufactures pipe with high performance PE2708 and PE4710 polyethylene resins only. In accordance with the IBR of this rule and Table 1 of ASTM D2513-09a, dual marking PE2406/PE2708 or PE3408/PE4710 was discontinued effective 3/6/15. PE4710 pipe shall also include the ISO PE100 material grade to satisfy customer requirements. PolyPipe products are formulated to exceed the outdoor storage limits IBR in Section 4.10 of ASTM D2513-09a for UV protection to allow outdoor storage of black pipe, and black pipe with yellow stripe, for up to 10 years and for non-black pipe for up to 3 years.

PolyPipe product marking shall be as shown in the following examples:

Yellow Unimodal MDPE:

2"IPS DR11 – POLYPIPE® - GDY20 GAS – PE2708 – CEE – ASTM D2513 S##W##NR - 3GA – 15JUN15 – UPC - COIL XX ###FT

Yellow Bimodal MDPE:

2"IPS DR11 – POLYPIPE® -POLYTOUGH1™ - GDY20 GAS – PE2708 – CEE – ASTM D2513 D##J##NR - 3EA – 15JUN15 –  
- COIL XX ###FT


Black Bimodal HDPE:

2"IPS DR11 – POLYPIPE® - GDB50 GAS – PE4710/PE100 – CEE – ASTM D2513 D##J##NR - 3GA – 15JUN18 – COIL XX ###FT

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All PolyPipe gas distribution pipes bear two printline markings; a heat indent printline provides permanent traceability per the requirements of ASTM D2513 and an ink jet printline provides barcode and 16-digit alpha numeric identification per the guidelines of ASTM F2897.

Heat Indent Printline:  
 4" IPS DR 11.0 - POLYPIPE POLYTOUGH1 -- GDY20 GAS-- PE2708CEE ASTM D2513 -- D12J01NR - 1EA -- 07 FEB 17

Ink Jet Printline:  
 4" IPS-DR 11 POLYPIPE GDY20 GAS PE2708CEE D2513 DJ1E 07 FEB 17 PP0qyU0ZzB124kZ0  
 004FTCOIL#0153

### Indent Printline Decoder:

Description	GDY20 Example	GDB50 Example
(1) Pipe size/sizing system	2" IPS	2" IPS
(2) SDR or minimum wall thickness	SDR 11	SDR 11
(3) Manufacturer's name/trademark	PolyPipe PolyTough1 GDY20	PolyPipe GDB50
(4) GAS	GAS	GAS
(5) Material Designation Code	PE2708	PE4710/PE100
(6) Elevated Temperature Code	CEE or CDE	CEE
(7) ASTM D2513	ASTM D2513	ASTM D2513
(8) Manufacturer's Lot Code		
Resin Lot Code with NR	N03M14NR	X42L13NR
Plant Code	2EB	2GC
Date Code	15JUN15	15JUN18
(9) Additional Information	Coil # , Feet – moved to Inkjet Printline effective 9/17/18	

*NOTICE: The data contained herein is a guide to the use of PolyPipe® polyethylene pipe by PolyPipe and fittings and is believed to be accurate and reliable. However, general data does not adequately cover specific applications, and its suitability in particular applications should be independently verified. In all cases, the user should assume that additional safety measures may be required in the safe installation or operation of the project. Due to the wide variation in service conditions, quality of installation, etc., no warranty or guarantee, expressed or implied, is given in conjunction with the use of this material.*