

# PolyDome™ Markers



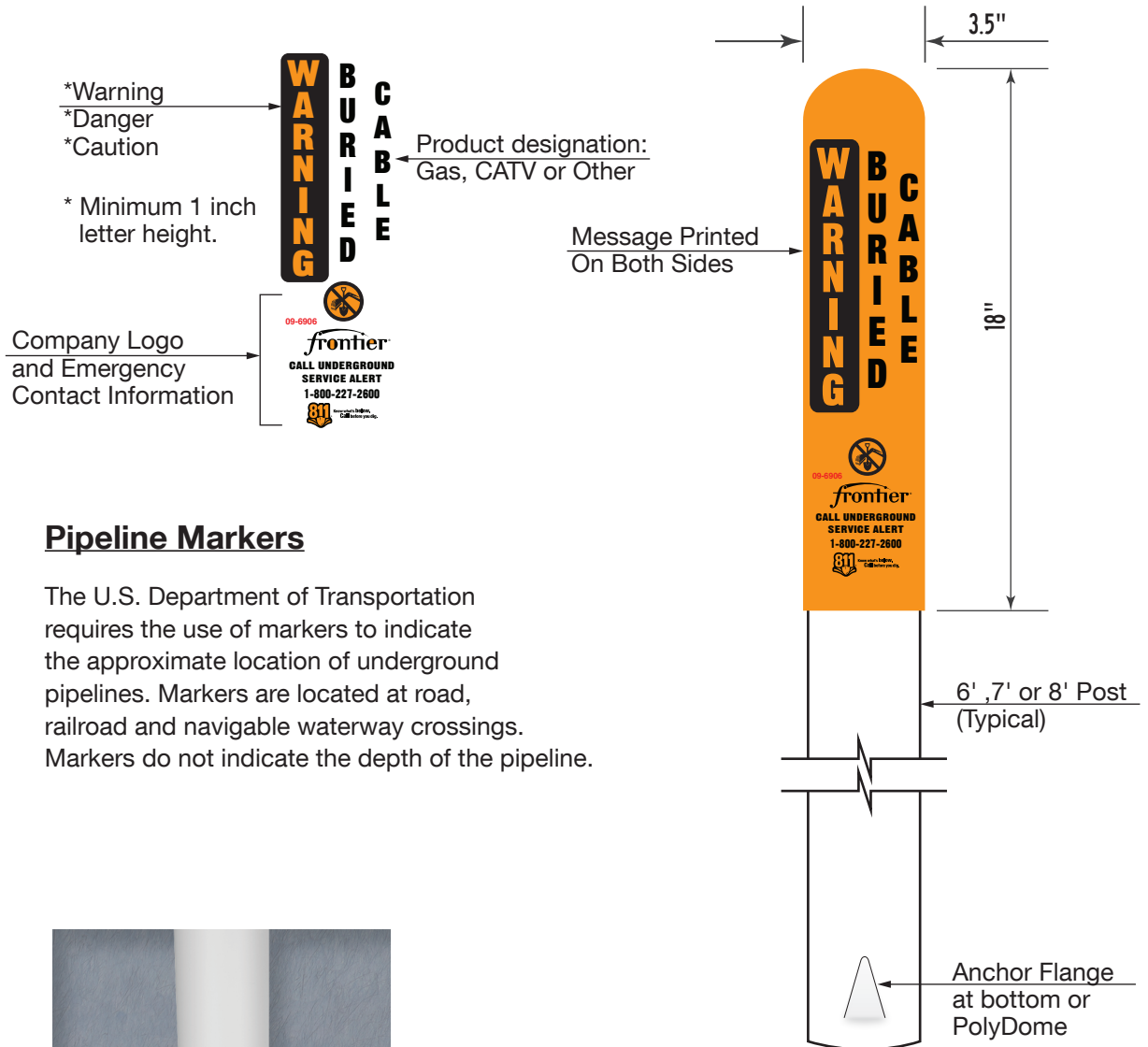
## Marker Display

- The material transported through the pipeline.
- The name of the pipeline operator.
- Toll-free emergency telephone number.

## Recommended AWWA Uniform Color Code for Marking Underground Facilities

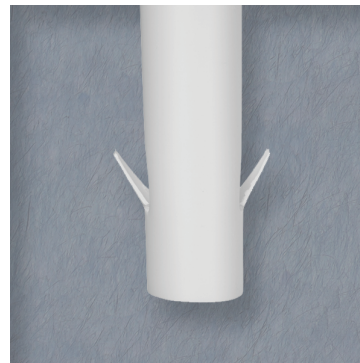
Underground Utility Markers will adhere to the following color codes:

	Electric
	Gas - Oil - Steam
	Communication CATV
	Water
	Sewer
	Reclaimed Water
	Proposed Excavation



## Pipeline Markers

The U.S. Department of Transportation requires the use of markers to indicate the approximate location of underground pipelines. Markers are located at road, railroad and navigable waterway crossings. Markers do not indicate the depth of the pipeline.



Anchor Flange

Specification Sheet				
PolyDome™ Markers				
 www.acpinternational.com	Drawn By:	Approved By:	Date:	Sheet No.:
	J.Y. Rollins	M. Prince	02-05-14	1 of 2

# PolyDome™ Markers

## Technical Description, Design and Material

The PolyDome, as manufactured by ACP International, shall consist of a single piece, injection molded top portion (PolyDome), and a UV Resistant polyethylene post for the bottom portion. The ACP PolyDome Marker shall be made from a high density polyethylene with a marlex rating of 9018.

The PolyDome shall be corona treated to accept printing and/or decal application. Printing shall be done through a silk screen process with UV Resistant enamel inks.

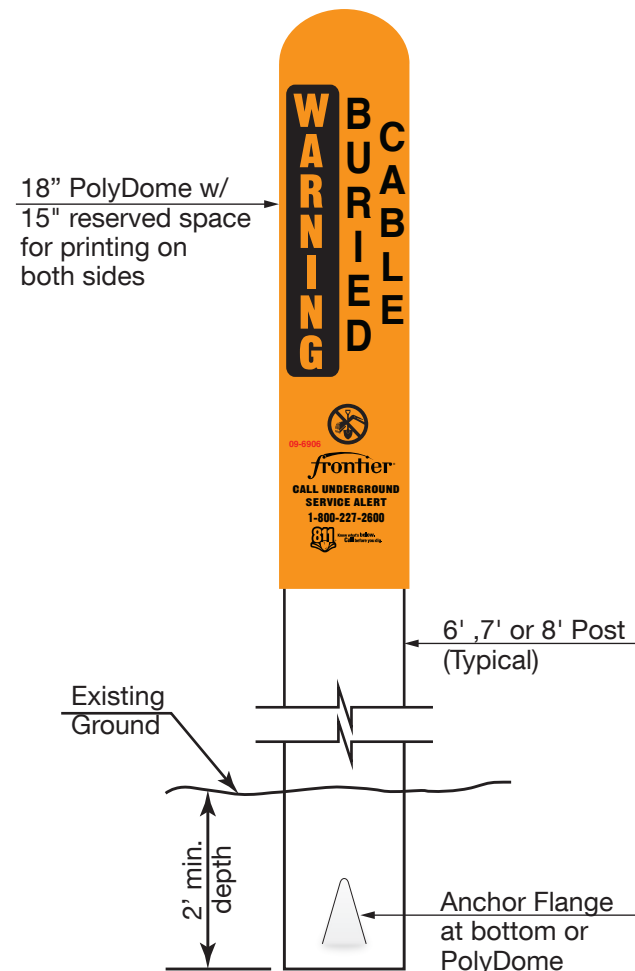
The lifespan of the PolyDome and Post, assuming average UV and climate exposure, shall remain bold for at least 10 years in an outdoor environment.

During installation, the fully assembled PolyDome Marker shall be buried 2 feet into the ground to ensure maximum stability.

## Dimensions

ACP International PolyDomes shall be available in heights of 6', 7' and 8' (as indicated in the part number). The PolyDome itself shall be 18" long and have a printing area 15". The opening of the PolyDomes shall be 3 1/2" diameter ID and have a 1/8" wall thickness. The poly post shall fit snugly inside the Poly-Dome and also have a 1/8" wall thickness.

Property	Test Method (ASTM)	Typical Values
Density	D1505	0.952 g/cm <sup>3</sup>
Melt Index, 190/2.16	D1238	20.0 g/10 min.
Tensile Strength at Yield 2 in. min., Type IV bar.	D638	27 MPa
Flexural Modulus, Tangent - 16:1 span:depth 0.5 in./min.	D790	1,200 MPa
ESCR, Condition B (100% Igepal), F <sub>50</sub>	D1693	<10h
Durometer Hardness, Type D (Shore D)	63	D2240
Vicate Softening Temperature Loading 1, Rate A	D5125	122°C
Brittleness Temperature, Type A, Type 1 speciment	D746	<-75°C



**Important Notice:** ACP International and SA-SO (a division of ACP International) trusts that the user of the product has the most accurate knowledge of how the product might be most efficiently or safely utilized in any given application or environment.

ACP International and SA-SO also trust that the above technical data and product information is based on thorough and accurate testing of the product, but are not liable for any loss or damage to the product (or any other product, employee, or building from which the product might come onto direct or indirect contact) resulting from an intentional or unintentional mishandling of the product.

## Specification Sheet

# PolyDome™ Markers



Drawn By:	Approved By:	Date:	Sheet No.:
J.Y. Rollins	M. Prince	02-05-14	2 of 2