Poly-Dome™ Markers

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.

Marker Display

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

Recommended AWPA 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

Anchor Flange

Specification Sheet

Poly-Dome™ Markers

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Technical Description, Design and Material

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

The ACP Poly-Dome 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 Poly-Dome 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 Poly-Dome Marker shall be buried 2 feet into the ground to ensure maximum stability.

Dimensions

ACP International Poly-Domes shall be available in heights of 6', 7' and 8' (as indicated in the part number). The Poly-Dome itself shall be 18" long and have a printing area 15". The opening of of the Poly-Domes 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^3
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_{50}	D1693	<10h
Durometer Hardess, 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 effeciently 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.

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