



# Handhole Markers

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## Part #

HHM71  
HHM72

## Technical Data Sheet

## Scope

This specification covers the material, physical/aesthetic dimensions, and mechanical properties of the polyethylene Handhole Markers as manufactured by ACP International, Arlington, TX. This product shall be a durable marking solution that can be customized to meet the particular needs.



## Technical Description, Design, and Material

The ACP International Handhole Markers shall be made from high density, UV resistant polyethylene. The Handhole Markers is made by engraving into half of the depth of the material. Assuming average UV and climate exposure, shall remain bold for at least 7 years in an outdoor environment. Handhole Markers shall have excellent chemical resistance to solvents, acids, and alkalis. .

### Dimensions

ACP International Handhole Markers are produced in thickness' of .25 inches.

Part #	Size
HHM71	7 7/8" x 1 7/8"
HHM7	7 15/16" x 2"

The part sizes are designed to the inset of the lid. These two parts are common sizes, but manufactured that fits into the inset of the lid.

### Mechanical Properties

Property	ASTM Standard	Rating
Melt Index (g/10 min)	D1238	.250-.300
Density	D1505	.950-.955
Tensile Strength (@ 2 in./min)	D638 (with type IV specimen)	
Yield (PSI)		125,000
Elongation (%)		>800
1% Secant Modulus of Elasticity (PSI)	D638	120,000
Flexural Stiffness (PSI)	D747	125,000
Torsional Stiffness	D1043	45,000
Low Temperature Brittleness (°C)		< -76°
Moisture Vapor Transmission Rate (g-mil/100 sq. in.24 hr. @ 37.8C)	E96	.3
Water Absorption/24 hr.	D570	nil
Harness, Shore D	D2240	65
IZOD Impact Strength(Ft. lb./in.)	D256	6.3
Flexural Modulus @ 1% Secant	D790	165,000
Heat Deflection Temp. @ 66 PSI (°C)	D648	73
VICAT Softening Temp. (°C)	D1525	122
Tensile Impact Strength (Ft. lb./in.)	D1822	110
Specific Gravity		.88-.92

### Special Properties

**Build America, Buy America (BABA)** Compliance and the American Iron and Steel (AIS) requirements:

The general categories of Utility Infrastructure Marking Products by ACP International, Inc., dba or branded as ACP International, SA-SO, Capital Streetscapes, Concrete Graphics, and Stonehouse Signs, is compliance with BABA. Regarding steel content, this product is made primarily of components other than steel. The total steel content falls under the De Minimus waiver of the AIS requirements.

**IMPORTANT NOTICE:** ACP International trusts that the user of the product has the most accurate knowledge of how the product is most efficiently or safely utilized in any given application.. ACP is not liable for any loss or damage to the product (or any other product, employee, or building from which the product might come into direct or indirect contact) resulting from an intentional or unintentional mishandling of the product.

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