Hang Around Markers

521 N. Great Southwest Pkwy.
Arlington, TX 76011 USA
P: (817) 640-0992
F: (817) 633-3131
www.acpinternational.com

Part #
DN33HA, DN34HA

Technical Data Sheet

Scope

This specification covers the material and procedures of the manufacturing process, physical and aesthetic dimensions, color fastness, and mechanical properties of the hang around marker as manufactured by ACP International. The Hang-Around flap is designed to enhance visibility from the ground. The marker is suitable for outdoor, manhole, and plenum environments.

Hang Around Markers

Wrap Around Markers

The ACP International hang around marker shall be made from a single sheet of curled vinyl and snap on pipe, cable, duct, or tubing. It shall come fully assembled and be easily installed by a single person with no cable ties, adhesives, or special equipment.

The hang around marker shall hold a tight coil around the cable for 5-7 years in a UV-environment.

The wrap around marker shall be constructed from a calendered vinyl treated with ultraviolet inhibitors. Its special matte finished surface shall be easily written on with a marker.

The hang around marker shall be thermoformed to create a permanent coil that can be pried open, but will always return to its coiled position.

Available Colors:

White (W) | Blue (BL) | Red (R)
Orange (O) | Green (G) | Yellow (Y)

The markers are available in white, blue, red orange, and yellow. Custom colors or lengths shall be available upon request.

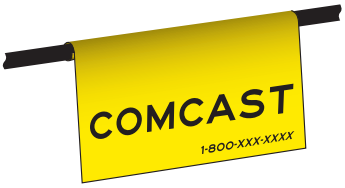
Mechanical Properties

Description	ASTM Standard	Rating
Average Yield-Sq. in./lb./Mil		20,500
Izod Impact Ft.-Lbs./Inch of notch @ 73°F	D-256	.5-15.2
Tensile Strength, PSI	D-633	5700-9000
Elongation, %	D-638	2-40
Compressive Strength, PSI	D-695	8000-13000
Flexural Strength, PSI	D-790	9000-14500
Modulus of elasticity in flexure lbs/sq.in.	D-790	3.4x105 - 4.9 x 105
Rockwell Hardness, R Scale	D-785	96 - 113
Oielectric strength, volts/mil	D-149	400-425
Heat Distortion Temperature @ 264PSI, °F	D-648	138-160
Burning Rate	D-757	Self-extinguishing
Water absorption rate, % after 24 Hr. immersion	D-570	<0.10
Coefficient of linear expansion in. °C	D-104	269 X 10°

Special Properties

Color range: unlimited
Opacity: transparent, translucent, opaque
Machining qualities: good
Effect of age: very slight
Effect of sunlight: darkens on intense exposure
Effect of weak acids: excellent
Effect of strong acids: excellent
Effect of weak alkalies: excellent
Effect of strong alkalies: excellent
Effect of organic solvents: Dissolves in low boiling ketones and esters. Attacked by chlorinated hydrocarbons. Tetrahydrofuran is excellent solvent.

During the heating and forming process, the material of the wrap around markers can shrink or expand 5-10%.



Dimensions

Part No.	Size Uncoiled	Adjustable Diameter	Flap Size
DN-33	6" X 6"	1/2" X 1"	2"
DN-34	10.5" X 7"	1" X 2"	3.5"

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 into direct or indirect contact) resulting from an intentional or unintentional mishandling of the product.

Dimension Plan

Hang Around Markers

	Drawn By:	Approved By:	Date:
ACP INTERNATIONAL	J.Y. Rollins	M. Prince	12/4/14

Technical Description, Design, and Material

The ACP International hang around marker shall be made from a single sheet of curled vinyl and snap on pipe, cable, duct, or tubing. It shall come fully assembled and be easily installed by a single person with no cable ties, adhesives, or special equipment.

The hang around marker shall hold a tight coil around the cable for 5-7 years in a UV-environment.

The hang around marker shall be constructed from a calendered vinyl with black carbon pigment and treated with ultraviolet inhibitors. Its special matte finished surface shall be easily written on with a marker. Surface color will be enhanced by coating an enamel paint on the vinyl, then text shall be printed on the paint.

The hang around marker shall be thermoformed to create a permanent coil that can be pried open, but will always return to its coiled position.

The marker shall come in orange, red, yellow, black, green, blue, and white. Custom colors or lengths shall be available upon request.

Dimensions

Part #	Size Uncoiled	Adjustable Diameter	Flap Size
DN-33HA	6" x 6"	1/2" x1"	2"
DN-34HA	10.5" x 7"	1" x 2"	3.5"

Mechanical Properties

Description	ASTM Standard	Rating
Average Yield-Sq. in./lb./Mil		20,500
Izod Impact Ft.-Lbs./Inch of notch @ 73ºF	D-256	.5-15.2
Tensile Strength, PSI	D-633	5700-9000
Elongation, %	D-638	2-40
Compressive Strength, PSI	D-695	8000-13000
Flexural Strength, PSI	D-790	9000-14500
Modulus of elasticity in flexure lbs/sq.in.	D-790	$3.4x10^5$ - 4.9 x 10^5
Rockwell Hardness, R Scale	D-785	96 - 113
Oielectric strength, volts/mil	D-149	400-425
Heat Distortion Temperature @ 264PSI, ºF	D-648	138-160
Burning Rate	D-757	self-extinguishing
Water absorption rate, % after 24 Hr. immersion	D-570	<0.10
Coefficient of linear expansion-in./ºC	D-104	269x10.º

Special Properties
Color range: unlimited
Opacity: transparent, translucent, opaque
Machining qualities: good
Effect of age: very slight
Effect of sunlight: darkens on intense exposure
Effect of weak acids: excellent
Effect of strong acids: excellent
Effect of weak alkalies: excellent
Effect of strong alkalies: excellent
Effect of organic solvents: Dissolves in low boiling ketones and esters. Attacked by chlorinated hydrocarbons. Tetrahydrofuran is excellent solvent.

During the heating and forming process, the material of the wrap around markers can shrink or expand 5-10%.

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.

The Brands Of ACP INTERNATIONAL 100% EMPLOYEE OWNED

SA-SO Since 1948

CAPITAL STREETSCAPES

Concrete Graphics

Drawn By:	Approved By:	Date Created:	Date Reviewed:
Jim Rollins	ACP Marketing	4/22/2025	9/23/2026