Ground Wire Tags

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Part #

GWT

Technical Data Sheet

Scope

This specification covers the material, physical/aesthetic dimensions, and mechanical properties of the Ground Wire Tag as manufactured by ACP International.

This product is meant to be an easily applicable marking solution for the purpose of labeling ground wire cables.





Size: 1.5" x 3"
Material: .016 Polyethylene

Technical Description, Design, and Material

The ACP International Ground Wire Tag shall be made from high density, UV resistant polyethylene. Assuming average UV and climate exposure, shall remain bold for at least 7 years in an outdoor environment. Ground Wire Tag shall have excellent chemical resistance to solvents, acids, and alkalis.

Dimensions
ACP International Ground Wire Tags are produced in thickness' of .016 inches.

Part #	**Size**
GWT	3" W x 1.5" H

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 (ºC)		< -76º
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 (ºC)	D648	73
VICAT Softening Temp. (ºC)	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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Concrete Graphics

Drawn By:	Approved By:	Date Created:	Date Reviewed:
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