



GENERAL PRODUCT DESCRIPTION:

Print Technology: Thermal Transfer
 Material Type: Polyvinylidene fluoride
 Available Colors: White

APPLICATIONS:

B-349 cable markers are designed for wire identification in areas where high temperature performance is needed. They are designed as a high performance wire bundle and cable identification tag for use in harsh environments.

RECOMMENDED RIBBON

Brady R6000 halogen free series black ribbon

REGULATORY APPROVALS

Brady B-349 is RoHS compliant.

SPECIAL FEATURES

B-349 Markers are characterized by low Total Mass Loss, Vacuum Outgassing and Total Volatile Content

B-349 Markers are supplied in roll form designed for use with thermal transfer printers.

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness		0.020 +/- 0.003 inches
Tensile Strength	ASTM D882, 20"/min speed	>3000 psi
Ultimate Elongation	ASTM D882, 20"/min speed	>100 %
Upward Flame Propagation	NASA-STD-6001	Pass
Toxic Offgassing	NASA-STD-6001	Pass
Total Mass Loss	NASA-STD-6001	< 1.0%
Collected Volatile Condensable Material (CVCM)	NASA-STD-6001	< 0.1%
% Water Vapor Recovered	NASA-STD-6001	Pass
Heat shock	4 hours @ 275°C	Tag darkens but is legible, no cracking when bent over mandrel
Heat ageing	168 hours @ 225°C	Tag darkens but is legible, no cracking when bent over mandrel
Low temperature flexibility	4 hours @ -55°C	No visible effect, no cracking when bent over mandrel
Operating temperature		-55°C to 200°C

Print Adherence per SAE-AS5942 (sec 4.1)	20 eraser rubs with 2 lb pressure	Print legible, no visible effect
Solvent Resistance per SAE-AS81531 (Sec 3.4.3) Solution A Solution C Solution D	MIL-STD-202G, Method 215K 3 cycles of 3 minute immersions in specified fluids followed by toothbrush rub after each immersion	Pass, no visible effect to print after rubs

Solution A: 1 part isopropyl alcohol, 3 parts mineral spirits

Solution C: BIOACT® EC-7R™ terpene defluxer

Solution D: 42 parts water, 1 part propylene glycol monomethylether, 1 part monoethanolamine at 70°C

Shelf life is one year from the date of receipt for this product as long as this product is stored in its original packaging in an environment below 80° F (27° C) and 60% RH. It remains the responsibility of the user to assess the risk of using this product. We encourage customers to develop testing protocols that will qualify a product's fitness for use in their actual application.

Trademarks:

BIOACT® is a registered trademark of Petroferm Cleaning Products

Skydrol® is a registered trademark of the Monsanto Company

Note: All values shown are averages and should not be used for specification purposes.

Test data and test results contained in this document are for general information only and shall not be relied upon by Brady customers for designs and specifications, or be relied on as meeting specified performance criteria. Customers desiring to develop specifications or performance criteria for specific product applications should contact Brady for further information.

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