TDS NO. B-5345
Effective Date: 10/1/2023

B-5345 HALOGEN FREE FLAME RETARDANT HEAT SHRINKABLE TUBING

Description:

GENERAL

Materials Type: Heat shrinkable (2:1), halogen free, flame retardant, polyolefin sleeves

APPLICATIONS

B-5345 sleeves are designed for wire identification and insulation purposes. These sleeves are suitable for use in applications that require halogen free and flame retardant markers.

REGULARORY APPROVALS

Brady B-5345 is RoHS 2011/65/EU and 2015/863 compliant.

Brady B-5345 meets the requirement of a halogen-free material per BS EN 14582: 2016.

SPECIAL FEATURES

B-5345 sleeves are supplied as continuous roll form in a round format for use with thermal transfer printers. B-5345 sleeves are available in black.

B-5345 sleeves meet European standard EN45542-2, requirement sets R22, vehicle category HL3.

Details:

B-5345 is available in following dimensions:

As supplied		After recovered		
D(Min.)		d (Max.)		w(Min.)
inch	mm	mm	inch	mm
3/32	2.4	1.2	0.047	0.42
1/8	3.2	1.6	0.063	0.42
3/16	4.8	2.4	0.094	0.52
1/4	6.4	3.2	0.126	0.54
3/8	9.5	4.8	0.189	0.54
1/2	12.7	6.4	0.252	0.62
3/4	19.0	9.5	0.374	0.75
1	25.4	12.7	0.500	0.85

Note: D: Inner diameter as supplied;
W: Wall thickness after fully recovered;
d: Inner diameter after fully recovered.

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Tensile strength	ASTM D2671	≥ 10.4 MPa
Ultimate Elongation	ASTM D2671	≥ 300%
Flammability	ASTM D2671 Procedure B	Self-extinguish in 60s

ELECTRICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Volume resistivity	IEC62631-2-1	≥ 10^{12}Ω.cm
Dielectric Strength	ASTM D2671	≥15 kV/mm

TEMPERATURE PROPERTIES	TEST METHODS	AVERAGE RESULTS
Heat aging	158℃, 168 hours	Tensile strength≥ 7.3 MPa Ultimate elongation ≥ 100%
Operating temperature	-	-55-125℃
Minimum shrink temperature	-	70℃

Trademarks:
ASTM: American Society for Testing and Materials (U.S.A.)

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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