NEMA MW 765

Reclaiming of Magnet Wire Packaging
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Foreword

This standards publication provides guidelines and criteria for reclaiming magnet wire plastic packaging.

The information contained in this publication has been reviewed by all suppliers and refurbishers of plastic spools/reels known at the time of publication. The issuance or existence of this Standards Publication does not, in any respect, prevent or restrict any member or non-member of NEMA from supplying customers with refurbished magnet wire spools/reels not in conformance with its contents.

This Standards Publication was been developed by the NEMA Magnet Wire Section, which periodically reviews it for any revisions necessary to keep it up to date with changes in technology. Comments or proposed revisions are welcomed and should be submitted to:

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This Standards Publication was developed by the Magnet Wire Section of the National Electrical Manufacturers Association. At the time it was approved, the Magnet Wire Section had the following members:

American Wire Corporation—Sandy Hook, CT
Bridgeport Insulated Wire Company—Bridgeport, CT
Elektrisola, Inc.—Boscawen, NH
Magnekon—San Nicolas de los Garza, Mexico
Nexans Magnet Wire, Inc.—La Grange, KY
P D Wire & Cable Magnet Wire Division—Fort Wayne, IN
Rea Magnet Wire Company, Inc.—Fort Wayne, IN
Southwire Company—Osceola, AR
Superior Essex OEM Group—Fort Wayne, IN
Universal Lighting Technologies—Gallman, MS

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Section 1
GENERAL

1.1 SCOPE

This Standard specifies the required physical and visual characteristics of reclaimed plastic spools/reels and other components used for packaging of magnet wire. It shall be up to the discretion of the wire producer to use a reclaimed item.

1.2 NORMATIVE REFERENCES

The following normative documents contain provisions which, through reference in this text, constitute provisions of this Standards Publication. By reference herein, these publications are adopted in whole or in part as indicated in this Standards Publication, and are available from the organizations listed below.

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MW 1000-2003 Magnet Wire (Appendix B, Magnet Wire Packaging and Labeling)

1.3 DEFINITIONS

Parts or features of a magnet wire spool/reel defined in this section are also illustrated in Figure 1-1.

arbor hole: The hole in a flange through which the arbor shaft passes.
drive slot: The hole or slot in either or both flanges, which serves as the means for driving the reel on the machine take-up.
finger holes: Holes in top flanges which serve as a means for lifting reels by using fingers.
flange: The parts of spools/reels that are perpendicular to the barrel, which define the traverse distance.
inside flange face: The surface at the flange adjacent to the barrel surface.
inside flange radius: The radius of the flange edge and the inside flange face.
outside flange radius: The radius of the flange edge and the outside flange face.
reel: A reel is defined as having a flange diameter of 8 inches or larger.
spool: A spool is defined as having a flange diameter of less than 8 inches.
start ribs: Indentations and molded protrusions in the barrel of a spool/reel, which serve as a gripping surface for the wire on the initial layer of the winding.
tie-off holes: Holes at the junction of the barrel and flange, or on the outside edge of the flange, which serve as a means to tie off the start or end of a reel of wire.