

# Magnetic materials

## Part 20. Resistance and temperature classification of insulation coatings

ICS 29.040.10

Confirmed  
January 2010

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

**BSI**  
Documents



Document Sharing Hub

# Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee ISE/NFE/5, Magnetic alloys and steels, upon which the following bodies were represented:

- British Iron and Steel Producers' Association
- Electricity Association
- Institute of Physics
- National Physical Laboratory
- Rotating Electrical Machines Association (BEAMA Ltd.)
- Transmission and Distribution Association (BEAMA Ltd.)
- University of Sunderland
- Wolfson Centre for Magnetism Technology
- Co-opted members

This British Standard, having been prepared under the direction of the Engineering Sector Board, was published under the authority of the Standards Board and comes into effect on 15 September 1996

© BSI 1996

## Amendments issued since publication

| Amd. No. | Date | Text affected |
|----------|------|---------------|
|          |      |               |
|          |      |               |
|          |      |               |
|          |      |               |
|          |      |               |

The following BSI references relate to the work on this standard:  
Committee reference ISE/NFE/5  
Draft for comment 95/706117 DC

ISBN 0 580 26203 0

# Contents

|                                                                  | Page               |
|------------------------------------------------------------------|--------------------|
| Committees responsible                                           | Inside front cover |
| Foreword                                                         | ii                 |
| Introduction                                                     | 1                  |
| <b>1</b> Scope                                                   | 1                  |
| <b>2</b> References                                              | 1                  |
| <b>3</b> Classification                                          | 1                  |
| <b>4</b> Properties of insulation coatings                       | 1                  |
| <b>5</b> Resistance measurements using the dual electrode method | 2                  |
| <b>6</b> Temperature/time designation                            | 3                  |
| <b>Tables</b>                                                    |                    |
| <b>1</b> Specified values of resistance grades                   | 2                  |
| <b>2</b> Temperature/time designation of insulation coatings     | 3                  |
| List of references                                               | Inside back cover  |