ISO 22068:2012-07 (E)

Sintered-metal injection-moulded materials - Specifications

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms and definitions 2

4 Test methods for normative properties 2
4.1 General 2
4.2 Chemical composition 2
4.3 Density 2
4.4 Tensile strength 2
4.5 Tensile yield strength 3
4.6 Elongation 3
4.7 Magnetic properties 3

5 Other test methods 3
5.1 Hardness 3
5.2 Corrosion resistance 3
5.2.1 Sulfuric acid test 3
5.2.2 Copper sulfate test 3
5.2.3 Boiling water test 3
5.2.4 Salt spray test 3

6 Information and explanatory notes 4
6.1 Minimum value concept 4
6.2 Minimum mechanical property values 4
6.3 Proof testing 4
6.4 Chemical composition 4
6.5 Density and residual porosity 4
6.6 Heat treatment 4

7 Designation of materials 5
7.1 Designation system 5
7.2 Description block 5
7.3 Identity block 5
7.4 Individual item block 5

8 Material specifications 6

Bibliography 11