DIN EN ISO 22068:2014-06 (E)

Sintered-metal injection-moulded materials - Specifications (ISO 22068:2012)

Contents

Page

Foreword 3

1 Scope 4

2 Normative references 4

3 Terms and definitions 5

4 Test methods for normative properties 5
4.1 General 5
4.2 Chemical composition 5
4.3 Density 5
4.4 Tensile strength 5
4.5 Tensile yield strength 6
4.6 Elongation 6
4.7 Magnetic properties 6

5 Other test methods 6
5.1 Hardness 6
5.2 Corrosion resistance 6
5.2.1 Sulfuric acid test 6
5.2.2 Copper sulfate test 6
5.2.3 Boiling water test 6
5.2.4 Salt spray test 6

6 Information and explanatory notes 7
6.1 Minimum value concept 7
6.2 Minimum mechanical property values 7
6.3 Proof testing 7
6.4 Chemical composition 7
6.5 Density and residual porosity 7
6.6 Heat treatment 7

7 Designation of materials 8
7.1 Designation system 8
7.2 Description block 8
7.3 Identity block 8
7.4 Individual item block 8

8 Material specifications 9

Bibliography 14