

ISO 22568-4:2021-12 (E)

Foot and leg protectors - Requirements and test methods for footwear components - Part 4: Non-metallic perforation resistant inserts

Contents	Page
Foreword.....	iv
Introduction.....	v
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Requirements for non-metallic perforation resistant inserts.....	2
4.1 General.....	2
4.2 Resistance to perforation.....	2
4.3 Flexing resistance.....	3
4.4 Stability against ageing and environmental influence.....	3
4.5 Electrical resistance.....	3
5 Test methods for the non-metallic perforation tests.....	3
5.1 Determination of perforation resistance.....	3
5.1.1 Method PL: with conical nail 4,5 mm diameter.....	3
5.1.2 Method PS: with conical nail 3,0 mm diameter.....	3
5.2 Determination of flexing resistance.....	3
5.2.1 Apparatus.....	3
5.2.2 Sampling.....	4
5.2.3 Test procedure.....	5
5.2.4 Results.....	5
5.2.5 Test report.....	5
5.3 Test methods for the assessment non-metallic perforation resistant inserts in critical environment.....	6
5.3.1 Sampling.....	6
5.3.2 Effect of high temperature.....	6
5.3.3 Effect of acid sweat.....	6
5.3.4 Effect of alkali sweat.....	6
5.3.5 Effect of fuel oil.....	6
5.3.6 Results.....	6
5.3.7 Test report.....	6
5.4 Determination of the electrical resistance.....	7
5.4.1 Testing procedure.....	7
5.4.2 Test report.....	7
6 Marking.....	8
Annex A (normative) Method PL: perforation resistance with the conical nail 4,5 mm diameter.....	9
Annex B (normative) Method PS: Perforation resistance with the conical nail 3,0 mm diameter.....	13
Bibliography.....	18