DIN EN 17092-1:2020-05 (E)

Protective garments for motorcycle riders - Part 1: Test methods

Contents

Page

European foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 5

4 Test samples 7

5 Test methods 11
5.1 General 11
5.2 Procedure for determination and demarcation of risk category zones 11
5.2.1 General 11
5.2.2 Determination and demarcation of risk category Zone 1 11
5.2.3 Determination and demarcation of risk category Zones 2 and 3 12
5.3 Procedure to check the additional garment construction requirements 27
5.4 Test method for determination of impact abrasion resistance (Darmstadt method) 28
5.4.1 Principle 28
5.4.2 Test criteria 28
5.4.3 Apparatus, parts and components 28
5.4.4 Test samples 31
5.4.5 Performing the test 32
5.4.6 Test report 34
5.5 Determination of restraint 38
5.5.1 General 38
5.5.2 Restraint of impact protectors 38
5.5.3 Garment restraint 39
5.6 Determination of fit and ergonomics 42
5.6.1 Principle 42
5.6.2 Apparatus 42
5.6.3 Test specimens required 42
5.6.4 Procedure 43

Annex A(informative) Determination and demarcation of risk category zones 45

A.1 Introduction 45
A.2 Description of the work 45
A.3 Results 45
A.4 Tolerances 47
A.5 Conclusion 48

Bibliography 49