

# DIN EN 388:2017-01 (E)

## Protective gloves against mechanical risks

---

Contents	Page
European foreword .....	4
1 Scope .....	5
2 Normative references .....	5
3 Terms and definitions .....	5
4 Requirements .....	6
4.1 General .....	6
4.2 Additional Protection .....	7
4.2.1 General .....	7
4.2.2 Impact protection .....	7
5 Sampling and conditioning .....	7
6 Test methods .....	8
6.1 Abrasion resistance .....	8
6.1.1 Principle .....	8
6.1.2 Consumables .....	8
6.1.3 Apparatus .....	8
6.1.4 Test specimens .....	9
6.1.5 Test procedure .....	9
6.1.6 Test report .....	11
6.2 Blade cut resistance .....	12
6.2.1 Principle .....	12
6.2.2 Equipment .....	12
6.2.3 Test specimen .....	14
6.2.4 Control specimen .....	15
6.2.5 Canvas .....	15
6.2.6 Test method .....	15
6.2.7 Calculation of test results .....	16
6.2.8 Test report .....	17
6.3 Cut Resistance method (EN ISO 13997) .....	17
6.3.1 General .....	17
6.3.2 Test specimen .....	17
6.3.3 Test report .....	17
6.4 Tear resistance .....	17
6.4.1 Principle .....	17
6.4.2 Equipment .....	18
6.4.3 Test specimen .....	18
6.4.4 Setting up the test specimen .....	18
6.4.5 Test method .....	18
6.4.6 Test report .....	19
6.5 Puncture resistance .....	20
6.5.1 Principle .....	20
6.5.2 Equipment .....	20
6.5.3 Test specimen .....	21
6.5.4 Test method .....	21
6.5.5 Test report .....	21
6.6 Impact Test .....	21

<b>7</b>	<b>Marking .....</b>	<b>21</b>
7.1	General .....	21
7.2	Pictograms .....	22
7.3	Marking of additional requirements .....	22
7.4	Examples of marking .....	22
<b>8</b>	<b>Information supplied by the manufacturer in the user notice .....</b>	<b>23</b>
<b>Annex A (normative) Abradant .....</b>		<b>24</b>
A.1	Definition of the abradant .....	24
A.2	Acceptation criteria of the abradant .....	24
<b>Annex B (normative) Test results - Uncertainty of measurement .....</b>		<b>25</b>
C.1	Objective .....	26
C.2	Apparatus and materials .....	26
C.3	Preparation of test specimens .....	27
C.4	Test procedure .....	28
C.5	Examples of acceptable adhesive tape .....	30
<b>Annex ZA (informative) Relationship between this European Standard and the essential requirements of Directive 89/686/EEC aimed to be covered .....</b>		<b>31</b>