EN 388:2016

a b c d e f

This standard applies to all kinds of protective gloves in respect of physical and mechanical aggressions caused by abrasion, blade cut, puncture, tearing and impact.

DEFINITION AND REQUIREMENTS

Protection against mechanical hazards is expressed by a pictogram followed by four numbers then a letter and if applicable the letter P.

a) 0 to 4 - **Resistance to abrasion.** Based on the number of cycles required to abrade through the sample given.

b) 0 to 5 – **Circular blade cut resistance.** Based on the number of cycles required to cut through the sample at a constant speed using the Coup Test.

c) 0 to 4 - **Tear resistance.** Based on the amount of force required to tear the sample.

d) 0 to 4 - **Puncture resistance.** Based on the amount of force required to pierce the sample with a standard sized point.

e) A to F - **Straight blade cut resistance.** Using the ISO 13997 testing method.

f) P - **Impact Resistance.** An optional test based on the mean transmitted force. Testing is carried out in accordance with EN 13594:2015 6.9 Protective Gloves for Motorcycle Riders.

LEVEL	1	2	3	4	5
Abrasion resistance (Number of cycles)	100	500	2000	8000	-
Blade cut resistance (Index)	1.2	2.5	5.0	10.0	20.0
Tear resistance (N)	10	25	50	75	-
Puncture resistance (N)	20	60	100	150	

TEST	Level A	Level B	Level C	Level D	Level E	Level F
Straight blade cut (TDM) resistance (N)	2	5	10	15	22	30

NOTE:

An "X" can be shown in place of any of the first 5 digits underneath the pictogram, where the test was either not carried out, not required or not suitable.

The letter “P” shall be included when this test is passed. If however, the impact test is not carried out or passed then there shall be no code letter in this sixth position (i.e. just the first four numbers plus the one letter for the straight blade cut test).