This MotoCAP safety rating applies to:

Brand:	Ixon
Model:	Copper Slick
Type:	Jacket - Leather
Date purchased:	20 January 2019
Sizes tested:	XL
Gender:	M
Style:	All Purpose
Test code:	J19L01

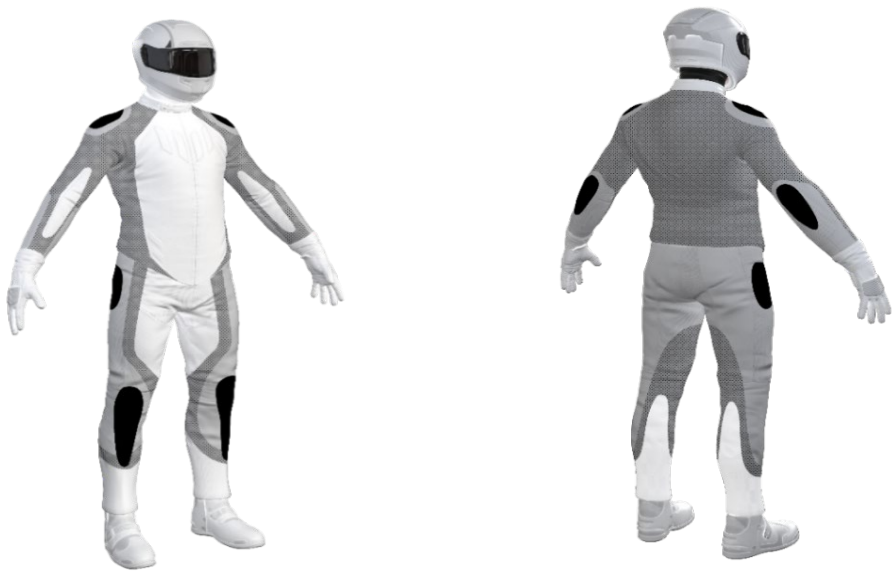
Test Results Summary:

	Rating	Score
MotoCAP Protection Rating	★★★★	52.7
Abrasion	6/10	4.41
Burst	10/10	1393
Impact	8/10	55.6
MotoCAP Comfort Rating	★★	0.301
Moisture Vapour Resistance		114.3
Thermal Resistance		0.573
Water resistance	N/A	N/A

This garment is fitted with impact protectors for the elbows and shoulders, pockets are provided at the back for aftermarket impact protectors. Vents are located in the upper chest to allow airflow cooling in hot weather. The thermal comfort measurements undertaken have not evaluated the performance of venting provided in this garment. The thermal comfort of this product may be better when the vents can be opened.

Jacket and Pants - Crash Impact Risk Zones

This diagram is a pictorial representation of the crash impact risk Zones.



Zone 1	Zone 2	Zone 3	Zone 4
High risk of abrasion High risk of impact	High risk of abrasion	Medium risk of abrasion	Low risk of abrasion

Abrasion Resistance

The garment was tested for abrasion resistance in accordance with MotoCAP test protocols. The table below shows the test results for time to abrade through all layers of the materials. Calculated for each sample by Zone, type and area coverage of each material as a proportion of that Zone.

Details of materials used in garment:

Material A:	Leather shell, second leather layer, foam layer and mesh inner liner
Material B:	Leather shell and mesh inner liner

Zone	Coverage (%)	Abrasion time for each test (seconds) 1	2	3	4	5	6	Average (seconds)	
Zone 1 and 2 areas (High abrasion risk)									
Material A	40%	10.00	10.00	10.00	10.00			10.00	G
Material B	60%	3.82	3.79	4.08	2.37	2.95	3.77	3.47	A
Zone 3 area (Medium abrasion risk)									
Material B	100%	3.82	3.79	4.08	2.37	2.95	3.77	3.47	G
Zone 4 area (Low abrasion risk)									
Material B	100%	3.82	3.79	4.08	2.37	2.95	3.77	3.47	G

Abrasion times are capped at a maximum of 10.00s.

The diagram below is a visual indication of the likely abrasion performance of the materials in each zone calculated from the data in the table above. The colour coding is based on the worst performing material in each zone.

Determining Criteria		Good	Acceptable	Marginal	Poor
High abrasion risk	Zone 1/2:	> 5.6	3.0 - 5.6	1.3 - 2.9	< 1.3
Medium abrasion risk	Zone 3:	> 2.5	1.8 - 2.5	0.8 - 1.7	< 0.8
Low abrasion risk	Zone 4:	>1.5	1.0 - 1.5	0.4 - 0.9	< 0.4

Burst Strength

The garment's burst strength was tested in accordance with MotoCAP test protocols. The table below shows the burst pressure in kilopascals (kPA) for each sample tested by Zone and the average result for each zone.

Burst pressure (kPA)

Area	1	2	3	4	5	Average	
Zones 1 & 2	1233	1673	1337	1468	1633	1469	G
Zone EZ	1261	1047	1293	1713	1477	1358	G
Zones 3 & 4	1558	901	1458	1244	1391	1310	G

The diagram below illustrates the burst strength results in terms of the likely performance of the garment in an impact and is a pictorial representation of the data from the table above.

Determining Criteria		Good	Acceptable	Marginal	Poor
Burst strength	(kPa)	> 1000	800 - 1000	500 - 799	< 500

Impact Protection

The garment was tested for impact protection and coverage in accordance with MotoCAP test protocols. The table below shows the test results for each strike on each impact protector in kilonewtons (kN) and their area of coverage as a proportion (%) of the Zone.

Impact protector type	Elbow		Shoulder	
Average force (kN)	11.0	G	11.0	G
Maximum force (kN)	13.9	G	13.9	G
Coverage of zone 1 area	90%		110%	
Coverage of zone after displacement	80%		90%	

Individual test results

Impact force (kN)	Elbow			Shoulder		
Strike location	**A**	**B**	**C**	**A**	**B**	**C**
Impact Protector 1	10.4	9.9	11.2	10.4	9.9	11.2
Impact Protector 2	9.9	11.1	11.1	9.9	11.1	11.1
Impact Protector 3	10.1	13.9	11.1	10.1	13.9	11.1

The diagram below is a visual indication of the likely performance of each impact protector calculated from the data in the table above. The colour coding is based on the worst performing score for average or maximium force for each impact zone.

Determining Criteria		Good	Acceptable	Marginal	Poor*
Impact force	(kN)	< 15	15 - 24	25 - 30	> 30

* Poor may also indicate that no impact protector, or impact protector pocket is present in the garment

Areas shaded black are not considered in the impact protection ratings.

Thermal comfort

The garment was tested for thermal comfort following the MotoCAP test protocols. The table below shows the moisture vapour resistance and the thermal resistance values obtained.

	1	2	**Average**
Moisture Vapour Resistance - R_{et} ($kPam^2/W$)	110.2	118.4	114.3

	1	2	**Average**
Thermal Resistance - R_{ct} (Km^2/W)	0.267	0.879	0.573

Water spray and rain resistance

This garment has not been advertised as water resistant so has not been tested for water spray and rain resistance.

Assessment Details.

Brand	Ixon
Model	Copper Slick
Type	Jacket - Leather
Date purchased	20 January 2019
Tested by	AMCAF, Deakin University
Garment test reference	J19L01
Rating first published	June 2019
Rating updated	1 October 2021