This MotoCAP safety rating applies to:

Brand:	Draggin Jeans
Model:	Stealthz Leggings
Type:	Pants - Textile
Date purchased:	9 October 2018
Sizes tested:	L
Gender:	F
Style:	All Purpose
Test code:	P18T10

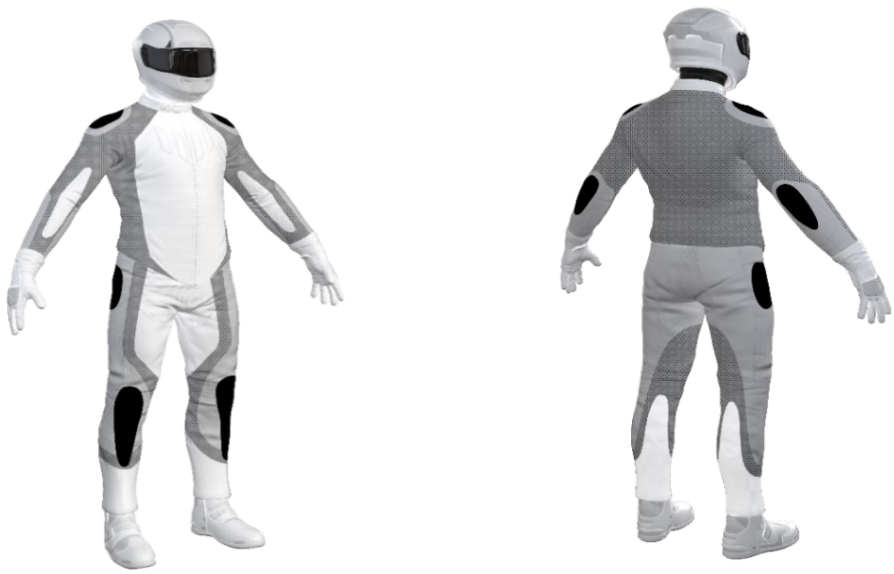
Test Results Summary:

	Rating	Score
MotoCAP Protection Rating	★	11.4
Abrasion	1/10	1.21
Burst	5/10	534
Impact	0/10	0.0
MotoCAP Comfort Rating	★	0.109
Moisture Vapour Resistance		81.0
Thermal Resistance		0.148
Water resistance	N/A	N/A

This garment is not fitted with impact protectors in the knee or hip areas nor are pockets provided to allow the addition of aftermarket impact protectors into these locations. There is no venting in this garment to aid cooling in hot weather.

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:	Poly Urethane coated knitted stretch fabric shell with Kevlar inner lining
Material B:	Poly Urethane coated knitted stretch fabric shell

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	95%	2.44	1.98	2.04	2.25	2.20	2.48	2.23	M
Material B	5%	0.09	0.10	0.13	0.25	0.19	0.13	0.15	P
Zone 3 area (Medium abrasion risk)									
Material B	100%	0.09	0.10	0.13	0.25	0.19	0.13	0.15	P
Zone 4 area (Low abrasion risk)									
Material B	100%	0.09	0.10	0.13	0.25	0.19	0.13	0.15	P

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	1226	1084	923	1185	200	924	A
Zone EZ	254	245	219	256	388	275	P
Zones 3 & 4	250	270	240	308	285	274	P

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

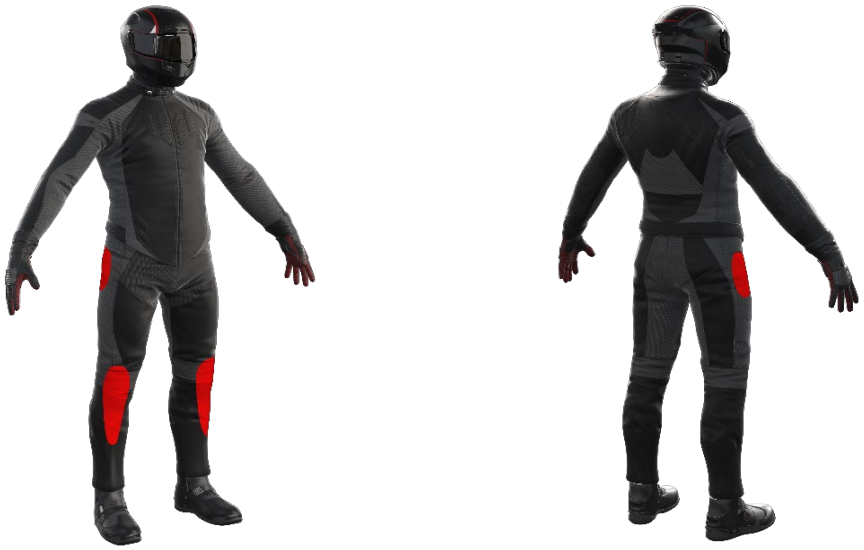
The garment was not tested for impact protection as no impact protectors were present. The table below shows the test results for each strike on each impact protector in kilonewton (kN) and their area of coverage as a proportion (%) of the Zone.

Impact protector type	Knee		Hip	
Average force (kN)		P		P
Maximum force (kN)		P		P
Coverage of zone 1 area	0%		0%	
Coverage of zone after displacement	0%		0%	

Individual test results

Impact force (kN)	**Knee**	No impact protector present		**Hip**	No impact protector present	
Strike location	**A**	**B**	**C**	**A**	**B**	**C**
Impact Protector 1						
Impact Protector 2						
Impact Protector 3						

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

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} ($kPam^2/W$)	80.1	81.9	81.0

	1	2	**Average**
Thermal Resistance - R_{ct} (Km^2/W)	0.148	0.148	0.148

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.