This MotoCAP safety rating applies to:

Brand:	Bull-it
Model:	Fury SP120 Lite Jeggings
Type:	Pants - Textile
Date purchased:	9 October 2018
Sizes tested:	10
Gender:	F
Style:	All Purpose
Test code:	P18T11

Test Results Summary:

	Rating	Score
MotoCAP Protection Rating	⌐	8.5
Abrasion	1/10	0.32
Burst	6/10	694
Impact	1/10	0.0
MotoCAP Comfort Rating	★★★★★	0.652
Moisture Vapour Resistance		13.3
Thermal Resistance		0.144
Water resistance	N/A	N/A

This garment is fitted with impact protectors in the knees and pockets were provided for the fitting of aftermarket impact protectors in the hips. The fabric has high vapour permeability which would allow airflow through it 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.
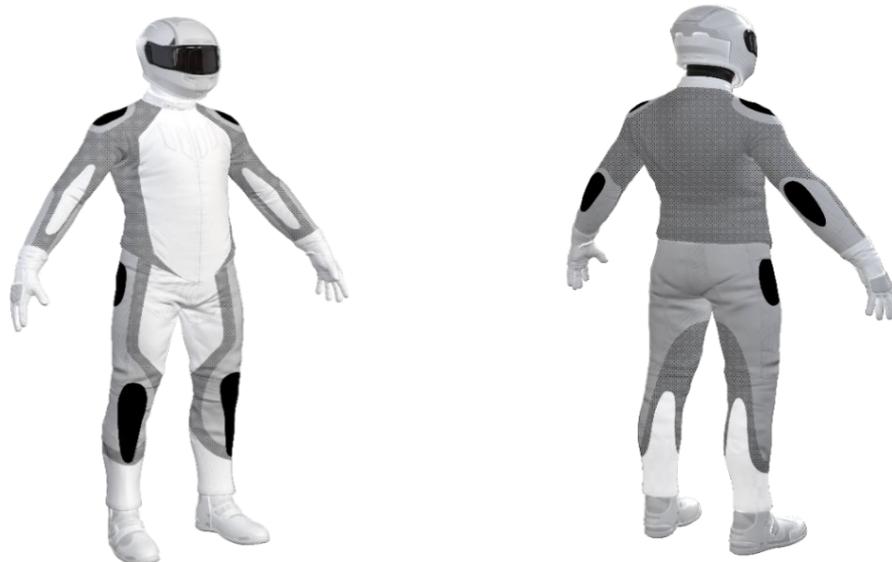
| Zone 1	Zone 2	Zone 3	Zone 4
High risk of abrasion High risk of impact	High risk of abrasion	Medium risk of abrasion	Low risk of abrasion

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: Cotton/Polyester knitted stretch fabric shell with Covec knitted inner liner
Material B: Cotton/Polyester knitted stretch fabric shell

Zone	Coverage (%)	Abrasion time for each test (seconds)						Average (seconds)	
		1	2	3	4	5	6		
Zone 1 and 2 areas (High abrasion risk)									
Material A	70%	1.31	1.18	2.18	1.90	1.76	1.51	1.64	M
Material B	30%	0.26	0.00	0.13	0.21	0.28	0.35	0.20	P
Zone 3 area (Medium abrasion risk)									
Material B	100%	0.26	0.00	0.13	0.21	0.28	0.35	0.20	P
Zone 4 area (Low abrasion risk)									
Material B	100%	0.26	0.00	0.13	0.21	0.28	0.35	0.20	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.
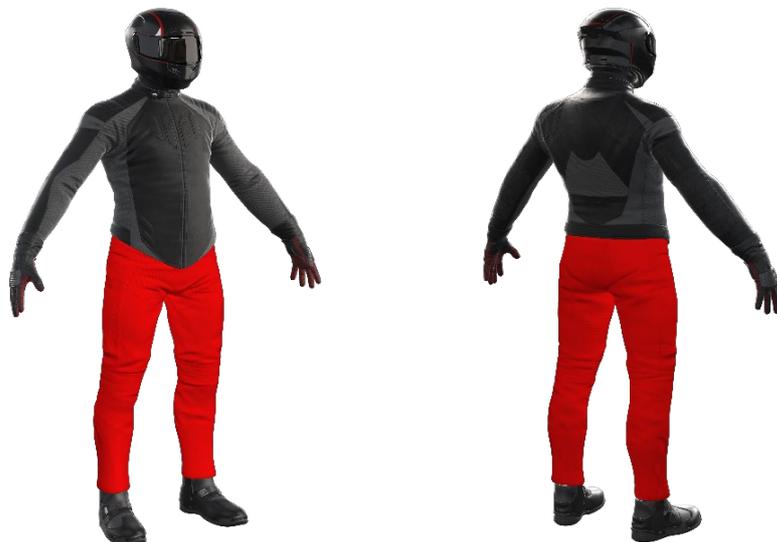
		Good	Acceptable	Marginal	Poor
Determining Criteria					
High abrasion risk	Zone 1/2:	> 5.6	3.0 - 5.6	1.3 - 2.9	< 1.3
Medium abrasion risk	Zone 3:	> 2.5	1.8 - 2.5	0.8 - 1.7	< 0.8
Low abrasion risk	Zone 4:	>1.5	1.0 - 1.5	0.4 - 0.9	< 0.4

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	475	1488	837	565	897	852	A
Zone EZ	519	474	590	755	661	600	M
Zones 3 & 4	257	699	483	666	713	565	M

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.

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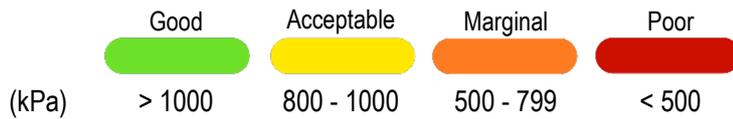
Impact Protection

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 kilonewton (kN) and their area of coverage as a proportion (%) of the Zone.

Impact protector type	Knee				None	
Average force (kN)	17.6 `A`				0.0 `P`	
Maximum force (kN)	24.1 `A`				0.0 `P`	
Coverage of zone 1 area	80%				0%	
Coverage of zone after displacement	100%				0%	

Individual test results

Impact force (kN)	**Knee**			**None**	No impact protector present	
Strike location	**A**	**B**	**C**	**A**	**B**	**C**
Impact Protector 1	14.0	17.7	23.9			
Impact Protector 2	13.8	16.5	24.1			
Impact Protector 3	13.0	18.6	16.5			

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.

	Good	Acceptable	Marginal	Poor*
Determining Criteria				
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

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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)	12.5	14.1	13.3

	1	2	Average
Thermal Resistance - R_{ct} (Km^2/W)	0.144	0.144	0.144

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.

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