



This MotoCAP safety rating applies to:

Brand: Bull-it

Model: SP120 Lite Heritage Easy

Type: Pants - Denim

Date purchased: 4 July 2018

Sizes tested: 36 Gender: M

Style: All Purpose Test code: P18D03

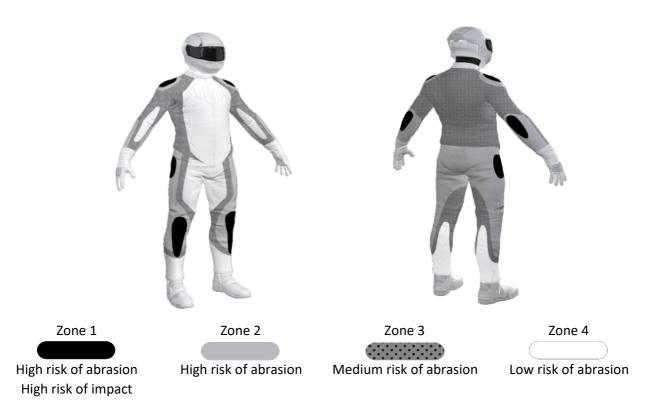
Test Results Summary:

	Rating	Result
MotoCAP Protection Rating	*	15.2
Abrasion	2/10	1.42
Burst	8/10	804
Impact	1/10	0.0
MotoCAP Comfort Rating	***	0.515
Moisture Vapour Resistance		22.5
Thermal Resistance		0.193
Water Resistance	N/A	

This garment is fitted with pockets for impact protectors for the knees and hips but was not fitted with impact protectors.

Jacket and Pants - Crash Impact Risk Zones

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





Abrasion Resistance

The garment was tested for abrasion resistance following the 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:

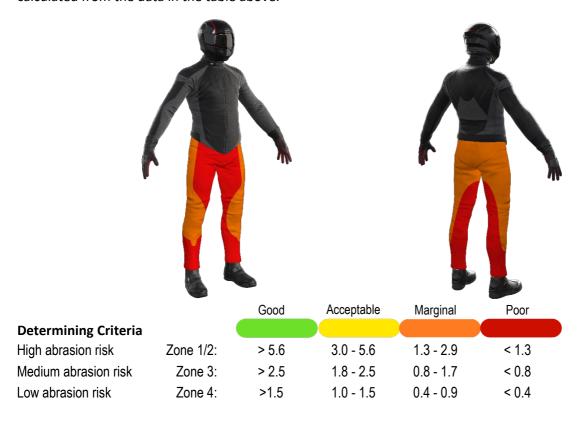
Material A: Single layer of denim outer, Vectran knitted fabric plus mesh inner liner

Material B: Single layer of denim outer plus mesh inner liner

Material C: Single layer of denim

Zone	Coverage	Abrasion t	Average					
	(%)	1	2	3	4	5	6	(s)
Zone 1 and 2	areas (High abra	asion risk)						
Material A	100%	1.89	2.14	2.02	1.32	2.27	2.55	2.03 M
Zone 3 area (I	Medium abrasio	n risk)						
Material B	50%	0.87	0.71	0.46	0.95	0.56	0.44	0.66 P
Material C	50%	0.42	0.31	0.39	0.37	0.31	0.37	0.36 P
Zone 4 area (I	Low abrasion ris	sk)						
Material B	50%	0.87	0.71	0.46	0.95	0.56	0.44	0.66 M

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.





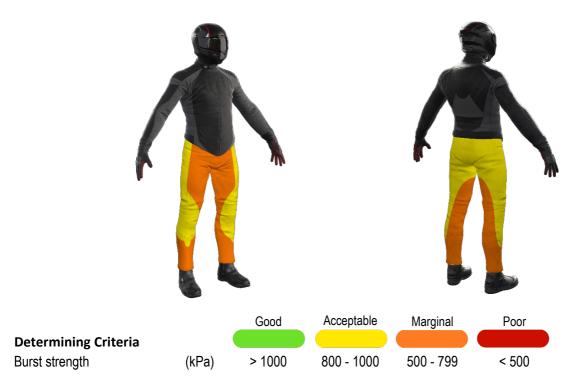
Burst Strength

The garment's burst strength was tested following the 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	820	1209	1152	639	865	937 A
Zone EZ	742	646	725	678	684	695 M
Zones 3 & 4	920	806	855	607	594	757 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.



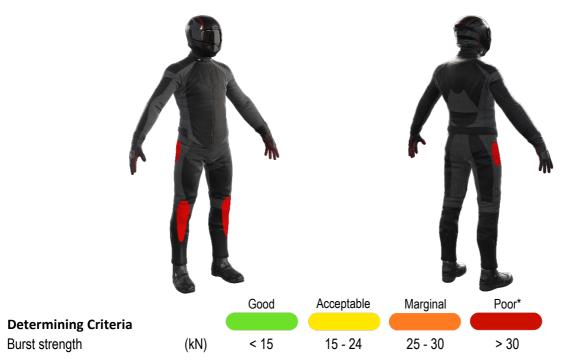


Impact Protection

The garment was tested for impact protection and coverage following the 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 in percentage (%) within the Zone.

Impact protector type		Knee			Hip	
Average force (kN)		50.0	P		50.0	Р
Maximum force (kN)		50.0	P		50.0	Р
Coverage of zone 1 area		0%			0%	
Coverage of zone after dis	splacement	0%			0%	
Individual test results						
Impact force (kN)	Knee			Hip		
Strike location	Α	В	С	Α	В	С
Impact Protector 1	50.0	50.0	50.0	50.0	50.0	50.0
Impact Protector 2						
Impact Protector 3						

The diagram below is a visual indication of the likely impact performance of each impact protector calculated from the data in the table above.



^{*} 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 - Ret	23.5	21.5	22.5
(kPam²/W)			
	1	2	Average
Thermal Resistance - R _{ct}	0.190	0.196	0.193
(Km ² /W)			

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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Date purchased 4 July 2018

Tested by AMCAF, Deakin University

Garment test reference P18D03
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