



This MotoCAP safety rating applies to:

Brand: RST

Model: Adventure III

Type: Pants - Textile

Date purchased: 15 August 2019

Sizes tested: 2XL and 4XL

Sizes tested: 2XL ar

Gender: M
Style: Tourer
Test code: P19T05

Test Results Summary:

	Rating	Score
MotoCAP Protection Rating	*	15.0
Abrasion	1/10	0.44
Burst	10/10	1214
Impact	1/10	0.0
MotoCAP Comfort Rating	***	0.433
Moisture Vapour Resistance		34.6
Thermal Resistance		0.249
Water resistance	4/10	15

This garment is fitted with impact protectors for the knees. Pockets are provided at the hips for aftermarket impact protectors. Vents are provided on the fronts of the upper legs to allow airflow movement through the garment. The thermal comfort rating is based on tests of the breathability of the garment when all vents are closed. The thermal comfort of this product may be better when the vents can be opened. This garment was also tested with the water-resistant liner installed, which reduced the comfort score to 2 stars.

Jacket and Pants - Crash Impact Risk Zones

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



High risk of abrasion High risk of impact Zone 2 High risk of abrasion Zone 3

Medium risk of abrasion

Zone 4
Low risk of abrasion

RST Adventure III
Textile Pants



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: High density woven fabric shell with mesh inner liner

Material B: Woven fabric shell with mesh inner liner Material C: Stretch fabric shell with mesh inner liner

Zone	Coverage	overage Abrasion time for each test (seconds)						
	(%)	1	2	3	4	5	6	(seconds)
Zone 1 and 2	areas (High abra	asion risk)						
Material A	50%	1.22	1.15	1.08	1.28	2.29	1.06	1.34 M
Material B	50%	0.50	0.83	0.45	0.54	0.40	0.59	0.55 P
Zone 3 area (l	Medium abrasio	n risk)						<u> </u>
Material B	90%	0.50	0.83	0.45	0.54	0.40	0.59	0.55 P
Material C	10%	0.58	0.59	0.57	0.50			0.56 P
Zone 4 area (l	Low abrasion ris	sk)						
Material A	50%	1.22	1.15	1.08	1.28	2.29	1.06	1.34 A
Material B	50%	0.50	0.83	0.45	0.54	0.40	0.59	0.55 M

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.



		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	



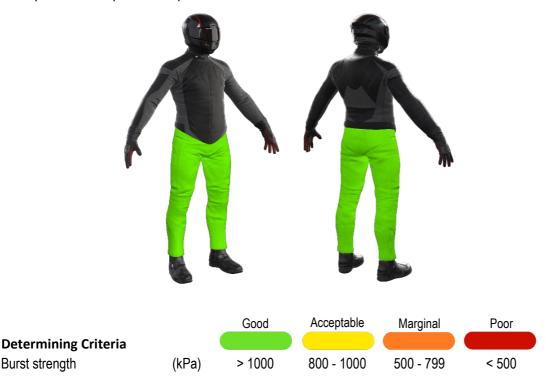
Burst Strength

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	1940	938	878	1529	1946	1446 G
Zone EZ	1340	1686	1326	463	569	1077 G
Zones 3 & 4	914	561	945	1234	1468	1025 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.



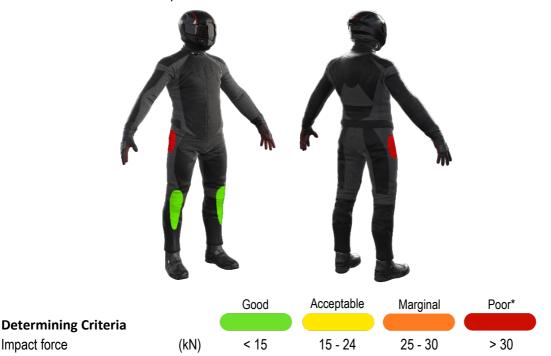


Impact Protection

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		Knee			Hip	
Average force (kN)		9.2	G			Р
Maximum force (kN)		12.4	G			P
Coverage of zone 1 area		140%			0%	
Coverage of zone after dis	placement	40%			0%	
Individual test results						
Impact force (kN)	Knee			Hip	No impact prote	ector present
i /					rto impaot prot	otor procent
Strike location	A	В	С	A	В	C
. ,		B 7.2	C			• -
Strike location	Α					• -

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.



^{*} 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 - Ret	31.4	37.7	34.6
(kPam²/W)			
	1	2	Average
Thermal Resistance - R _{ct}	0.253	0.246	0.249
(Km²/W)			

Water spray and rain resistance

This garment is advertised as water-resistant, and so has been tested for water spray and rain resistance according to the MotoCAP test protocols. The table below shows the water absorbed (ml) and the wetting proportion (%) of the garment and undergarments due to water absorption.

	Water absorbe	ed by garment	Water absorbe	ed by underwear
	Volume (ml)	Percentage (%)	Volume (ml)	Percentage (%)
Garment 1	478	24%	73	29.5%
Garment 2	581	29%	1	0.4%
Average	529	27%	37	15.0%

Location of wetting:

Visible wetting to the cotton underwear worn under the motorcycle water resistant garment was present over the crotch on one garment tested and there was no visible wetting on the other garment tested.