

MOTOCAP

This MotoCAP safet	y rating applies	to:
Brand	Ducati	
Model	Speed Air C2	
Туре	Jacket - Textile	
Date purchased	12 September 2	2022
Sizes tested	L and XL	
Test garment gender	Male	
Style	All Purpose	
RRP	\$309.00	
Test Results Summary	Rating	Score
MotoCAP Protection Rati	ing ★★	29.4
Abrasion	1/10	0.38
Burst	10/10	1136
Impact	7/10	53.8
MotoCAP Breathability R	ating ★★★★	0.586
Moisture Vapour Resista	nce -	20.5
Thermal Resistance	-	0.200

N/A

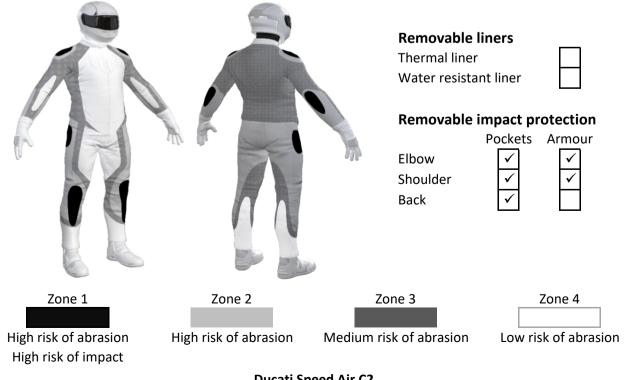
N/A

This garment is fitted with impact protectors for the elbows and shoulders. A pocket is provided for an aftermarket back protector. Mesh panels are located in the arms, chest and back to allow airflow movement through the garment.

Water resistance

Jacket and Pants - Crash Impact Risk Zones

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





Abrasion Resistance

The jacket was tested for abrasion resistance in accordance with MotoCAP test protocols. 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 below. The colour coding is based on the worst performing material in each zone.



Abrasion Resistance Performance

Abrasion rating	1/10
Abrasion score	0.38

Determining Criteria	Area	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

Individual Abrasion Resistance Results: - 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. Abrasion times are capped at a maximum of 10.00s.

Abrasion time for each test (seconds)

Zone 1 & 2	Coverage (%)	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Average
Material A	40%	1.45	1.06	1.05	1.12			1.17 P
Material B	60%	0.66	0.63	0.57	0.78	0.61	0.61	0.64 P
Zone 3	Coverage (%)	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Average
Material B	30%	0.66	0.63	0.57	0.78	0.61	0.61	0.64 P
Material C	70%	0.41	0.42	0.36	0.39	0.32	0.43	0.39 P
Zone 4	Coverage (%)	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Average
Material B	30%	0.66	0.63	0.57	0.78	0.61	0.61	0.64 M
Material C	70%	0.41	0.42	0.36	0.39	0.32	0.43	0.39 P

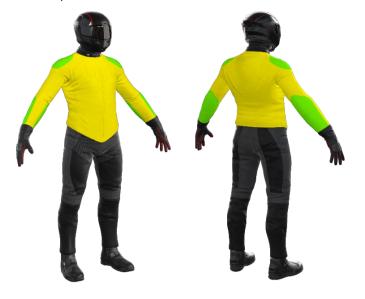
Details of materials used in jacket

Material A	Woven fabric shell, foam layer and mesh inner liner
Material B	Woven fabric shell with mesh inner liner
Material C	Mesh fabric shell with mesh inner liner



Burst Strength

The jacket was tested for burst strength in accordance with MotoCAP test protocols. 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 below.



Burst Strength Performance				
Burst rating	10/10			
Burst score	1136			

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

Individual Burst Strength Results: - The table below shows the burst pressure in kilopascals (kPA) for each sample tested by Zone and the average result for each zone.

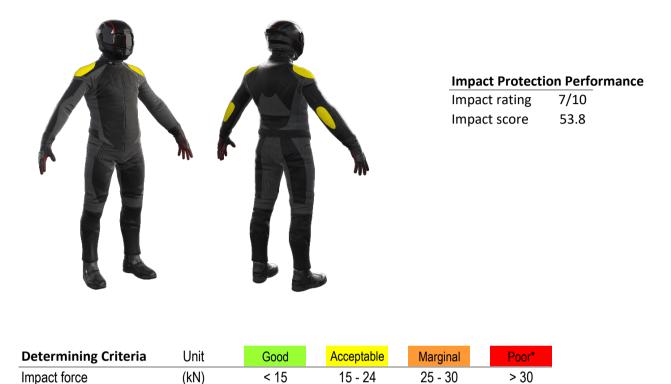
Burst pressure for each seam (kPA)

Area	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Average	
Zones 1 & 2	863	1266	1052	1812	896		1178	G
Zones 3 & 4	783	989	1330	1319	638	751	968	Α



Impact Protection

The jacket was tested for impact protection and coverage in accordance with MotoCAP test protocols. The diagram below is a visual indication of the likely performance of each impact protector calculated from the data in the table below. The colour coding is based on the worst performing score for average or maximum force for each impact zone. Areas shaded black are not considered for impact protection ratings.



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

Individual Impact Protector Results: - 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. Individual strike results are capped at a maximum of 50kN.

Impact protector type	Elbow		Shoulder
Average force (kN)	17.3	A	15.9 <mark>A</mark>
Maximum force (kN)	19.2	A	17.0 A
Coverage of Zone 1 area	150%		80%
Coverage of Zone after displacement	100%		80%

Individual Impact Protector Results: - The table below shows the test results for each strike on individual impact protectors in kilonewtons (kN) and the position of the strike. Individual strike results are capped at a maximum of 50kN.

Force transfer for each impact strike (kN)

Impact protector type	Elbow			Shoulder		
Strike location	Centre	Mid	Edge	Centre	Mid	Edge
Impact Protector 1	15.1	17.6	16.5	15.1	15.1	15.6
Impact Protector 2	16.6	17.5	19.2	15.2	16.9	17.0
Impact Protector 3	18.1	16.3	18.6	14.9	16.8	16.2



Breathability

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

Without removable	liners	With water-resistant line			
Breathability rating	****	Breat	thability rating	N/A	
Breathability score	0.586	Breat	thability score	N/A	
Moisture Vapour Resi	stance - R _{et} (kPa.m²/W)	1	2	Average	
Without removable line	rs	20.6	20.4	20.5	
With water-resistant line	er	N/A	N/A	N/A	
Thermal Resistance -	R _{ct} (K.m²/W)	1	2	Average	
Without removable line	rs	0.200	0.200	0.200	
With water-resistant line	er	N/A	N/A	N/A	

Water spray and rain resistance

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

Assessment Details.

Brand	Ducati
Model	Speed Air C2
Туре	Jacket - Textile
Date purchased	12 September 2022
Tested by	AMCAF, Deakin University
Report approved by	MotoCAP Chief Scientist
Garment test reference	J21T13
Rating first published	January 2023
Rating updated	16 January 2023