


**This MotoCAP safety rating applies to:**

**Brand:** PMJ  
**Model:** Rider Jeans  
**Type:** Pants - Denim  
**Date purchased:** 3 April 2019  
**Sizes tested:** 36  
**Gender:** M & F  
**Style:** All Purpose  
**Test code:** P19D01

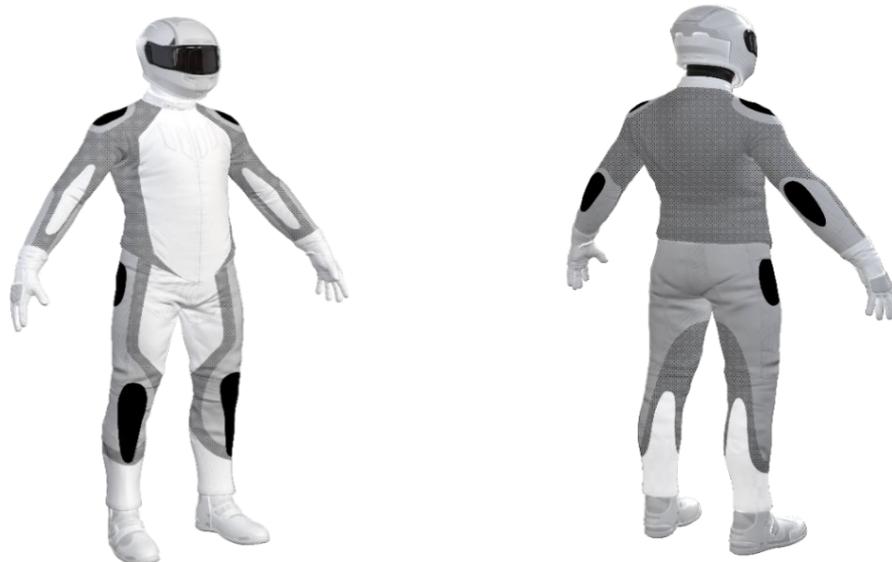
**Test Results Summary:**

	Rating	Score
MotoCAP Protection Rating	★	10.2
Abrasion	1/10	0.03
Burst	10/10	1001
Impact	0/10	0.0
MotoCAP Comfort Rating	★★★	0.506
Moisture Vapour Resistance		22.4
Thermal Resistance		0.189
Water resistance	N/A	N/A

This garment is fitted with impact protectors for the knees. There are no pockets provided at the hips for aftermarket impact protectors. There are no vents to allow airflow movement through the garment.

**Jacket and Pants - Crash Impact Risk Zones**

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


**Zone 1**


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

## 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.

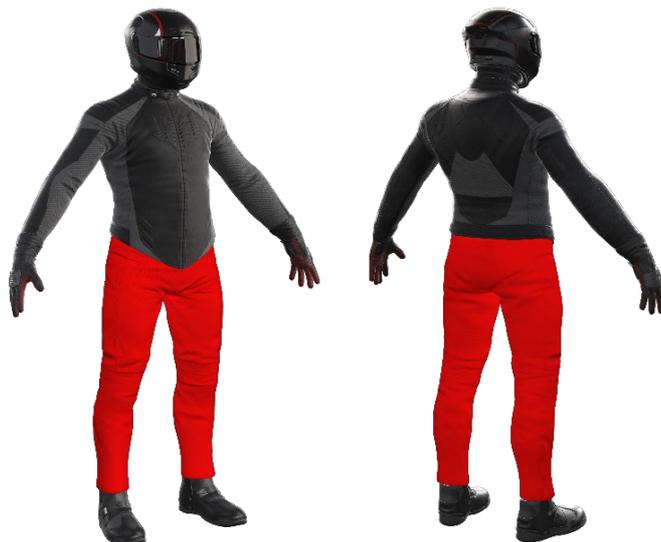
### Details of materials used in garment:

Material A:	Denim shell, aramid fabric layer and mesh inner liner
Material B:	Denim shell with mesh inner liner
Material C:	Denim Shell

Zone	Coverage (%)	Abrasion time for each test (seconds)						Average (seconds)	
		1	2	3	4	5	6		
<b>Zone 1 and 2 areas (High abrasion risk)</b>									
Material A	50%	2.01	1.03	1.96	2.34	1.50	2.12	1.83	M
Material B	50%	0.33	0.45	0.48	0.33	0.39	0.31	0.38	P
<b>Zone 3 area (Medium abrasion risk)</b>									
Material B	20%	0.33	0.45	0.48	0.33	0.39	0.31	0.38	P
Material C	80%	0.43	0.30	0.37	0.45	0.35	0.29	0.37	P
<b>Zone 4 area (Low abrasion risk)</b>									
Material B	20%	0.33	0.45	0.48	0.33	0.39	0.31	0.38	P
Material C	80%	0.43	0.30	0.37	0.45	0.35	0.29	0.37	P

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.



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

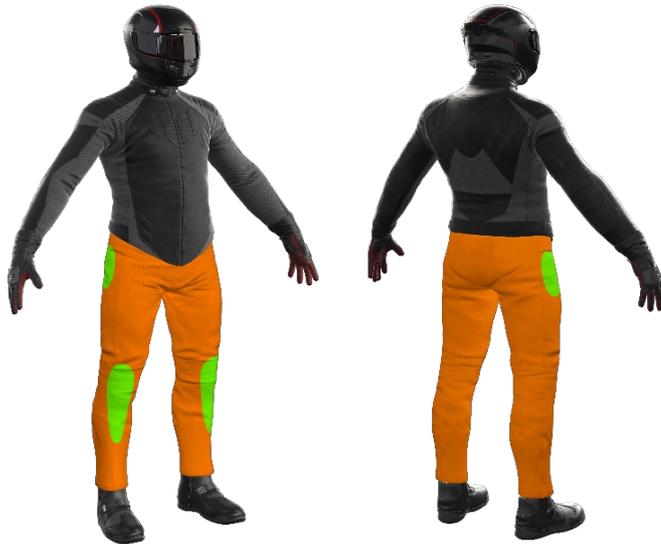
### Burst Strength

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	1833	1747	1633	1560	766	1507	G
Zone EZ	884	760	737	843	344	713	M
Zones 3 & 4	555	370	625	631	649	566	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 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)	25.7		<span style="background-color: yellow; border: 1px solid black; padding: 2px;">M</span>			<span style="background-color: red; color: white; border: 1px solid black; padding: 2px;">P</span>
Maximum force (kN)	36.8		<span style="background-color: red; color: white; border: 1px solid black; padding: 2px;">P</span>			<span style="background-color: red; color: white; border: 1px solid black; padding: 2px;">P</span>
Coverage of zone 1 area	130%				0%	
Coverage of zone after displacement	40%				0%	
<b>Individual test results</b>						
Impact force (kN)	Knee			Hip		
Strike location	A	B	C	A	B	C
Impact Protector 1	18.8	22.4	29.9	No impact protector present		
Impact Protector 2	19.7	26.7	34.9			
Impact Protector 3	18.6	23.6	36.8			

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 maximum force for each impact zone.



Determining Criteria	(kN)	Good	Acceptable	Marginal	Poor*
		<span style="background-color: green; border-radius: 10px; width: 20px; height: 10px; display: inline-block;"></span>	<span style="background-color: yellow; border-radius: 10px; width: 20px; height: 10px; display: inline-block;"></span>	<span style="background-color: orange; border-radius: 10px; width: 20px; height: 10px; display: inline-block;"></span>	<span style="background-color: red; border-radius: 10px; width: 20px; height: 10px; display: inline-block;"></span>
Impact force		< 15	15 - 24	25 - 30	> 30

\* 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 - $R_{et}$ ( $kPam^2/W$ )	21.1	23.7	22.4
	1	2	Average
Thermal Resistance - $R_{ct}$ ( $Km^2/W$ )	0.184	0.195	0.189

### 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.