This MotoCAP safety rating applies to:

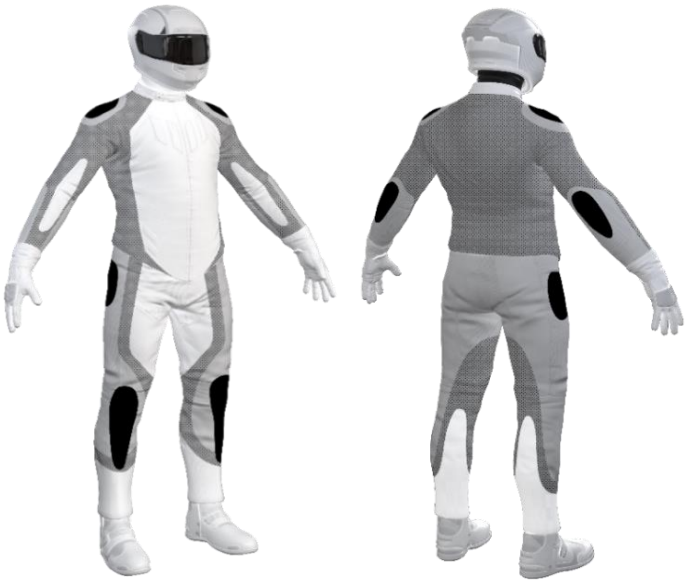
Brand	Dririder
Model	Nordic V
Type	Pants - Textile
Date purchased	26 May 2025
Sizes tested	36
Test garment gender	Male
Style	All Purpose
RRP	$299.95

Test Results Summary	Rating	Score
MotoCAP Protection Rating	★★	29.6
Abrasion	4/10	2.98
Burst	10/10	1466
Impact	1/10	0.0
MotoCAP Breathability Rating	★	0.189
Moisture Vapour Resistance	-	105.6
Thermal Resistance	-	0.333
Water resistance	10/10	0.8

This garment is fitted with impact protectors for the knees. The foam pads present in hip armour pockets were fillers and not tested as they were not considered impact protectors and would provide limited, if any, energy absorption. Adding hip armour would improve the protection levels of this garment. There are zipped vents in the front legs and back to allow controlled airflow movement through the garment. The breathability rating is based on tests of the garment's materials when all vents are closed. The breathability of this product may be better when the vents are opened. Breathability was measured without the removable thermal liner installed.

Jacket and Pants - Crash Impact Risk Zones

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



Removable liners

Thermal liner	✓
Water-resistant liner	

Removable impact protection

	Pockets	Armour
Knee	✓	✓
Hip	✓	

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

These pants were 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	4/10
Abrasion score	2.98

Determining Criteria	Area	Good	Acceptable	Marginal	Poor
High abrasion risk	Zones 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)

Zones 1 & 2	Coverage (%)	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Average	
Material A	65%	10.00	9.94	10.00	10.00	6.56		9.30	G
Material B	35%	2.05	1.52	2.46	2.77	1.73	2.22	2.13	M
Zone 3	**Coverage (%)**	**Sample 1**	**Sample 2**	**Sample 3**	**Sample 4**	**Sample 5**	**Sample 6**	**Average**	
Material C	100%	0.87	0.64	0.77	0.81	0.77	0.94	0.80	M
Zone 4	**Coverage (%)**	**Sample 1**	**Sample 2**	**Sample 3**	**Sample 4**	**Sample 5**	**Sample 6**	**Average**	
Material C	100%	0.87	0.64	0.77	0.81	0.77	0.94	0.80	M

Details of materials used in pant

Material A	Leather shell, foam layer, mesh layer, water-resistant layer and mesh inner liner
Material B	Double woven fabric shell, water-resistant layer and mesh inner liner
Material C	Woven fabric shell, water-resistant layer and mesh inner liner

Burst Strength

These pants were 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	1466

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	1691	1678	1740	1723	1004	1617	1575	G
Zones 3 & 4	597	1176	1541	974	1252	633	1029	G

Impact Protection

These pants were 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.

Impact Protection Performance	
Impact rating	1/10
Impact score	0.0

Determining Criteria	Unit	Good	Acceptable	Marginal	Poor*
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

Impact Protector Results: - The table below shows the average and maximum force transmitted through each impact protector type in kilonewtons (kN) and their area of coverage as a proportion (%) of the Zone.

Impact protector type	Knee		Hip	
Average force (kN)	13.1	G		P
Maximum force (kN)	18.9	A		P
Coverage of Zone 1 area	90%		0%	
Coverage of Zone after displacement	80%		0%	

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	Knee			Hip	No impact protector present	
Strike location	Centre	Mid	Edge	Centre	Mid	Edge
Impact Protector 1	12.0	12.4	14.2			
Impact Protector 2	11.7	12.3	13.4			
Impact Protector 3	10.7	12.7	18.9			

Breathability

These pants were 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	
Breathability rating	★
Breathability score	0.189

With water-resistant liner	
Breathability rating	N/A
Breathability score	N/A

Moisture Vapour Resistance - R_{et} (kPa.m^2/W)	1	2	Average
Without removable liners	104.8	106.3	105.6
With water-resistant liner	N/A	N/A	N/A

Thermal Resistance - R_{ct} (K.m^2/W)	1	2	Average
Without removable liners	0.328	0.338	0.333
With water-resistant liner	N/A	N/A	N/A

Water spray and rain resistance

These pants are advertised as water-resistant, and so have 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 absorbed by garment		Water absorbed by underwear	
	Volume (ml)	Percentage (%)	Volume (ml)	Percentage (%)
Pants 1	261	17%	2	1%
Pants 2	290	18%	2	1%
Average	275	18%	2	1%

Water Resistance Performance	
Water rating	10/10
Water score	0.80

Location of wetting

There was no visible wetting to the cotton underwear for either of the pants tested.

Assessment Details.

Brand	Dririder
Model	Nordic V
Type	Pants - Textile
Date purchased	26 May 2025
Tested by	AMCAF, Deakin University
Report approved by	MotoCAP Chief Scientist
Garment test reference	P25T15
Rating first published	August 2025
Rating updated	13 August 2025