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PZ

FOR THE ATTENTION OF: Tobias Reischle

DC 17804

SAMPLING: done by the Applicant

TEST REPORTS: this document is based on Test Reports no.: 4212030/E, 4325100/E, 4327010/E.

SAMPLES: Shirt with shoulder protectors for bike/downhill use, art. "**ENDURO SHIRT MEN**" heather asphalt/carbon grey 19-0201-TPX colour.

DESCRIPTION:

design: shirt.


external/internal coating: heather asphalt/carbon grey 19-0201-TPX stretch fabric (SCK-3570AM1ST-1) **(1)**.

Shoulder protector inserted (removable): black perforated polymeric material art. "LITESHIELD FLEX LIMB" (LOCAL MATERIAL 75 SHORE).

Groups of materials tested for Azo-dyes content:

A) 1.

REQUEST: Laboratory tests in accordance with EN 1621-1:2012 T- for the aim of the Certification (Regulation (EU) 2016/425).

OUTCOME:  **PASS**

Notes:

All results refer exclusively to the tested materials as received.

Partial reproduction or publication not admitted without written authorization by RCT.

Positive results of a test report do not imply that the tested product is "certified" or "approved" by RCT.

Comments and interpretations are of subjective nature and not part of the Test Report.

Test carried out by qualified partner lab ISO 17025.

* Test not accredited by Accredia

Conformity assessment criterion: the result is considered compliant until the value falls within or coincides with the specification limit.

Unless otherwise indicated, the test conditions correspond to the reference standard.

M22 rev08 del 01/01/2023



References	Tests	Measuring unit	Requirements	Results
EN 1621-1:2012	Motorcyclists' limb joint impact protectors			
4 (5.3 – 6.3.1.5)*	Type of protector - declared dimension: - tested/confirmed dimension:	-	S, E, H, K, L, K+L Type A/B (table 1)	S B B
	Weight	g	-	128
	Loose protectors dimension - max length - max width	mm mm	- -	212 140
5.2 5.2.1	Innocuousness			-
EN 13688:2013 +A1:2021 4.2*	Innocuousness		Materials shall not adversely affect the health or hygiene of the user, they shall not release substances generally known to be toxic, carcinogenic, mutagenic, allergenic, toxic to reproduction or otherwise harmful.	Pass
4.2/c ISO 3071: 2020	pH - other materials extracting solution: KCl	-	> 3,5 and < 9,5	Material: 1 7,2
4.2 d ISO 14362-1:2017#* textile	Azo colorants content:	mg/kg	absent (< 30 mg/kg)	Group: A
EN 1621-1 :2012 5.2.2 (6.2) (EN ISO 11642:2012 o EN ISO 105-E01: 2013)*	Color fastness to water - discharge a) acetate b) cotton c) polyamide d) polyester e) polyacrylic f) wool	Grey scale 5=good, 1=bad.	≥ 4 ≥ 4 ≥ 4 ≥ 4 ≥ 4 ≥ 4	Material: 1 5 5 4/5 4/5 5 5



References	Tests	Measuring unit	Requirements	Results
5.4	Impact test			
5.4 6.3.4.2	Impact force transmission 50J / flat impactor 40x80mm - Standard conditioning (23°C/50% r.h.) - 3 impacts zone A: - 3 impacts zone B: - 3 impacts zone C: - Mean: - Level: Visual check after impact	kN	lev.1 lev.2 ≤ 35 ≤ 20 ≤ 50 ≤ 30 ≤ 50 ≤ 30 ≤ 35 ≤ 20 1/2	19,8 24,8 23,9 22,9 25,1 25,9 29,4 26,5 30,8 25,5 1 Pass
5.4 6.3.4.3	Impact force transmission 50J / flat impactor 40x80mm - Wet impact test conditioning: hydrolytic treatment 72h/+70°C/>96% r.h. + 24h/23°C - 2 impacts zone A: - 2 impacts zone B: - 2 impacts zone C: - Mean: - Level: Visual check after impact Note: at the end of the hydrolytic treatment the protectors are hung in a water vapor proof bag, avoiding the direct contact with the bag itself.	kN	lev.1 lev.2 ≤ 35 ≤ 20 ≤ 50 ≤ 30 ≤ 50 ≤ 30 ≤ 35 ≤ 20 1/2	21,3 23,8 31,8 30,2 24,6 21,6 25,6 1 Pass



References	Tests	Measuring unit	Requirements	Results
5.4 6.3.4.4 (optional T+)	Impact force transmission 50J / flat impactor 40x80mm - High temperature Conditioning: 24h/+40°C - 2 impacts zone A: - 2 impacts zone B: - 2 impacts zone C: - Mean: - Level: Visual check after impact	kN kN -	lev.1 lev.2 ≤ 35 ≤ 20 ≤ 50 ≤ 30 ≤ 50 ≤ 30 ≤ 35 ≤ 20 1/2 no fragmentation of the sample and no sharp edges, cracks and loss of soft debris are permissible	23,8 25,5 33,3 25,2 25,8 26,8 26,7 1 Pass
-	Overall protective level	-	1/2	1
5.5 6.4 - 6.5	Ergonomic features	-	Pass	pass
-	Protector's positioning on the body Body protected area coverage		The area of the body declared to be protected is covered adequately by the protector	Pass

- End of the Technical Report -