

Technical textile test results for Piñatex ORIGINAL

TESTED PROPERTY	TEST METHOD	Piñatex ORIGINAL PERFORMANCE
Tear Strength	ISO9073-4	80 N (warp) 100 N (weft)
Tensile Strength	ISO9073-18	>500 N (warp) 341.8 N (weft)
Seam Rupture	ISO13935-2	301.7 N (warp) 468.1 N (weft)
Density*	EN ISO 2420:2002, Variation from indicated valued: ± 0.1 g/cm ³	0.335 g/cm ³
Grammage*	EN ISO 2420:2002	458.26 g/m ²
Abrasion/Martindale	JLR Test Method #TPJLR.52.001. As per STJLR.51.536 (1&2) Specifications for Light and Heavy Duty.	Moderate Pile Loss on textile starts from 40K cycles using 12kPA load.
Cold Crack resistance of finish*	EN ISO 11644, Dry Adhesion (Minimum 2 N/10 mm)	No cracking at – 10 °C
Finish Adhesion*	EN ISO 11644, Dry Adhesion (Minimum 2 N/10 mm)	12.6 N/10 mm
Colour fastness to rubbing cycles © - change in colour and staining*	EN ISO 11640 (Perspiration solution according to EN ISO (11641) Assessment according to ISO 105-A02 and ISO 105-A03 (Grey Scale Rating, GSR) (Minimum: Dry 4; Wet: 3; Perspiration: 3)	4-5 for all
Colour fastness to light*	EN ISO 105-B02 Xenon Light and Blue wool scale (BWS) (Minimum BWS5)	>BWS5
Water spotting*	EN ISO 15700 Assessment according to ISO 105-A02 (Minimum 3)	4-5, no change
Maintainability*	ISO-TM-0012 Assessment according to ISO 105-A02 the leather shall be aged according to EN ISO 17228 method 6C (Minimum 2-3)	Ketchup 3 Oil 3-4 Coffee 2-3 Soiling Cloth 4 Red Wine 3-4

Chemical test results for Piñatex ORIGINAL

Formaldehyde	EN ISO 14184-1:2011	Not Detected
Phthalates*	EN ISO 15777 Extraction and GC-MS	Conform to requirements
Pentachlorophenol*	EN ISO 17070:2006	<0.1 mg/kg
pH*	EN ISO 3071:2006 (Requirement 4-9)	6.7
Organotin Compounds	EN ISO 17353:2005	Not detected
PAHs Analysis	AfPS GS 2014:01	Not detected
Volatile Organic Compounds	HS-Screening GC-MS	Not detected
Pesticides	DIN 38407-F2 (1993-02) mod; DIN 38407-F14 (1995-10) mod.	Not detected
Resistance by ignition to cigarettes	BS EN 1021-1:2006	Conform to requirements
Resistance by ignition to match	BS EN 1021-2:2006	Conform to requirements

Tests conducted at ITTC Shanghai, Intertek Turkey, Intertek UK, Institute of Natural Fibres & Medicinal Plants.

Pinatex Original meets the requirements according to AFIRM standards.

*Please note these tests were performed between 2015 and 2017.