



BATA INDUSTRIALS
THE SAFETY SHOE

MATERIAL PASSPORT

ENDURO PWR 412 S3

Model Description

Article No.	N4SMKRA2210	The PWR412 falls into the S3 safety
Article Name	PWR412	category and has an aluminum toe cap,
Collection Name	ENDURO PWR	steel penetration-resistant insert and PU
Size Range	38–48 W/XW/XXW	abrasion-resistant toe cap and features a
Prime Supplier	Bata Ind. Best NL	ladder grip.



Materials Overview

		grams per shoe	% of shoe			grams per shoe	% of shoe
Closing	Polyester- 100% rPET	10gr	1%	Toecap	Aluminium	72gr	10%
Inlay sole	PU – 85% GRS recycled	36gr	5%	Anti-penetration	Steel	64gr	9%
Lining	Polyester – 65% GRS recycled	20gr	3%	Insole	Polyester – 100% recycled	20gr	3%
Upper part	Leather	145gr	20%				
Midsole	PU – 20% bio-based	160gr	22%				
Outsole	Rubber – 70% recycled 20% bio-based	130gr	18%				

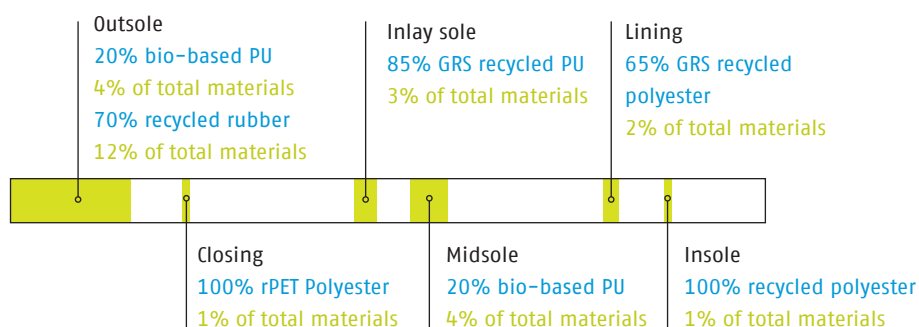
Sustainability Highlights



19% recycled materials



8% bio based materials



Consists of 27% environmentally friendly materials in terms of weight

Sustainability Explanation

rPET Laces

The laces are for 100% made of recycled PET material. Sourced processed and supplied by local Dutch partners. GRS certified.

Inlay sole

The Poliyou® inlay sole contains 85% GRS recycled PU foam. The opencell structure regulates a perfect climate control.

Rubber Outsole

The rubber outsole is made of 20% post-consumer recycled rubber plus 50% pre-consumer recycled rubber, which gives in total 70% recycled content. On top of that another 20% is bio-based. Bio-based content is extracted from renewable resources.

Insole

The insole consist of polyester which is 100% recycled and GRS certified. Produced and supplied by our European partner.

Lining Recycled

The lining is our improved Bata Cool Comfort®+ with 65% GRS recycled polyester. The recycled polyester is post-consumer, combined with virgin polyester.

PU Midsole

The midsole is made from polyurethane (PU) which has 20% bio-based content. Bio-based content is extracted from renewable resources. This midsole is made in Holland.



ISO 14021:2016

The material passport includes criteria for self-declared environmental claims, such as statements, symbols, and images, in line with EN ISO 14021:2016.



Recycled content

Standard that sets requirements for certification of recycled input, chain of custody, social and environmental practices, and chemical restrictions.



GRS

Standard that verifies the presence and amount of recycled material in fabrics and tracks the flow of raw materials from source to finished product.

Disclaimer

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