



**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%			

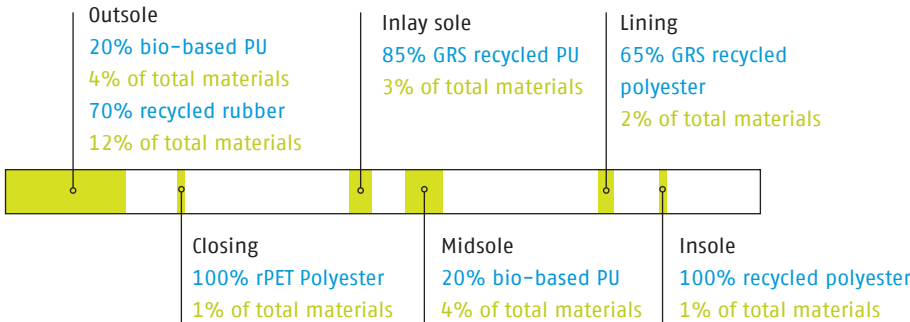
### Sustainability Highlights



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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