Product



Photovoltaic (PV) framed module

Published 2024-01-19

Solar module used as a component for PV system

BVB ID	**173126**	Type of product	**Article/product**
BSAB code	**SHD - Solkraftverk**	Type of use	**Utomhus**
BK04 code	**20010 Solfångarsystem**	Supplier	**SoliTek Cells**

Total **Accepted**

Contents: Electronics **Accepted**

Contents: Other **Accepted**

Lifecycle **Accepted**

MILJÖ BYGGNAD

BREEAM SE

Product data

Content reporting

Total weight of product: 24,000g

The product includes the following listings

Utfasningsämne

SIN

Potentiell PBT/vPvB

Riskminskningsämne

Contents: Other

Component/Substanc	Quantity/v in the component	Quantity/v in the prod	CAS	EC	Alloy	H-indication / Listings	Self-classification
Back glass	-	39.38	-	-	-	-	-

↳ Järn(III)oxid synonym C.I. Pigment Brown 7, C.I. Pigment Red 102, C.I. Pigment Red 101 eller järnglimmer	0,0975≤ x ≤0,1025 %	0,03839550000000006≤ x ≤0,04036450000000005 %	1309-37-1	215-168-2	-	-	-
↳ Magnesiumoxid (MgO), Calcined magnesia, Magnesium oxide, E 530	3,9≤ x ≤4,1%	1,535820000000002≤ x ≤1,614580000000001%	1309-48-4	215-171-9	-	-	-
↳ Dipotassium oxide	0,0292≤ x ≤0,0308 %	0,01149896≤ x ≤0,012129040000000002 %	12136-45-7	235-227-6	-	-	-
↳ Natriumoxid	13,4843≤ x ≤14,1758 %	5,310117340000001≤ x ≤5,582430040000001%	1313-59-3	215-208-9	-	-	-
↳ Aluminiumtrioxid, Aluminiumoxid	1,4625≤ x ≤1,5375 %	0,57593250000000001≤ x ≤0,6054675%	1344-28-1	215-691-6	-	-	-
↳ Kiseldioxid synonym diatomitjord, kiselgur, amorf kiselsyra, C.I. 77811, E 551	72,15≤ x ≤75,85%	28,412670000000006≤ x ≤29,869973%	7631-86-9	231-545-4	-	-	-

↳ Kalciumoxid synonym lime	9,75≤ x ≤10,25%	3,83955000000000005≤ x ≤4,03645 %	1305-78-8	215-138-9	-	-	-
Front glass	-	39.38	-	-	-	-	-

↳ Kalciumoxid synonym lime	8,6775≤ x ≤9,1225 %	3,417199500000006≤ x ≤3,592440500000004%	1305-78-8	215-138-9	-	-	-
↳ Aluminiumtrioxid Aluminiumoxid	0,4875≤ x ≤0,5125 %	0,191977500000002≤ x ≤0,201822500000002%	1344-28-1	215-691-6	-	-	-
↳ Svaveltrioxid	0,2243≤ x ≤0,2358 %	0,08832934≤ x ≤0,092858040000002%	7446-11-09	-	-	-	-
↳ Natriumoxid	12,9675≤ x ≤13,6325 %	5,106601 5≤ x ≤5,368478500000001%	1313-59-3	215-208-9	-	-	-
↳ Järn(III)oxid synonym C.I. Pigment Brown 7, C.I. Pigment Red 102, C.I. Pigment Red 101 eller järnglimmer	0,0098≤ x ≤0,0103 %	0,003859240000000003 ≤ x ≤0,004056140000000001 %	1309-37-1	215-168-2	-	-	-
↳ Kiseldioxid synonym diatomitjord, kiselgur, amorf kiselsyra, C.I. 77811, E 551	70,395≤ x ≤74,005 %	27,721551≤ x ≤29,143169%	7631-86-9	231-545-4	-	-	-

↳	Magnesiumoxid (MgO), Calcined magnesia, Magnesium oxide, E 530	4,29≤ x ≤4,51%	1,689402≤ x ≤1,776038%	1309-48-4	215-171-9	-	-	-
↳	Dipotassium oxide	0,2925≤ x ≤0,3075%	0,11518650000000001≤ x ≤0,1210935%	12136-45-7	235-227-6	-	-	-
	Junction box	-	0.35	-	-	-	-	-
↳	Koppar	≤10%	≤0,034999999999999996%	7440-50-8	231-159-6	-	-	-
	POE encapsulant film	-	3.82	-	-	-	-	-

↳ 6,6'-di-tert-buty 4,4'-diethyl-2,2 methylenediph CAS-nr: 88-24-	1≤ x ≤5,2632%	0,0382≤ x ≤0,20105424%	-	-	-	-	-
↳ Ethylene-1-octene copolymer	95%	3,629%	26221-73-8	Saknas	-	-	-
↳ bis(α,α-dimethylbenzy peroxide	≤0,1%	≤0,00382%	80-43-3	201-279-3	-	H242 H315 H319 H360D H411 **Potentiell PBT/vPvB Riskminskningsämne SIN Utfasningsämne**	-
↳ Titanium, (butyl phosphate, ethyl alcohol, isopropyl alcohol) complexes, CAS-nr: 109037-78-7	1≤ x ≤5%	0,0382≤ x ≤0,191%	-	-	-	-	-
Aluminium frames	-	-	-	-	-	-	-

↳ Magnesium	0,11151 ≤ x ≤ 0,1728 %	0,11151 ≤ x ≤ 0,1728 %	7439-95-4	231-104-6	-		H250 H260	-
↳ Kisel	0,07434 ≤ x ≤ 0,1152 %	0,07434 ≤ x ≤ 0,1152 %	7440-21-3	231-130-8	-		-	-
↳ Järn	0,043365 ≤ x ≤ 0,0672 %	0,043365 ≤ x ≤ 0,0672 %	7439-89-6	231-096-4	-		-	-
↳ Koppar	0,01239 ≤ x ≤ 0,0192 %	0,01239 ≤ x ≤ 0,0192 %	7440-50-8	231-159-6	-		-	-
↳ Krom, Chromium metal	0,01239 ≤ x ≤ 0,0192 %	0,01239 ≤ x ≤ 0,0192 %	7440-47-3	231-157-5	-		-	-
↳ Mangan	0,01239 ≤ x ≤ 0,0192 %	0,01239 ≤ x ≤ 0,0192 %	7439-96-5	231-105-1	-		-	-
↳ Titanium	0,0124 ≤ x ≤ 0,0192 %	0,0124 ≤ x ≤ 0,0192 %	7440-32-6	231-142-3	-		-	-
↳ Zink (Metallisk zink i legering)	0,01239 ≤ x ≤ 0,0192 %	0,01239 ≤ x ≤ 0,0192 %	7440-66-6	231-175-3	-		-	-
↳ Aluminiumlege EN AW-6063, P 0%	12,3157 ≤ x ≤ 19%	12,3157 ≤ x ≤ 19%	Övrigt, metaller	-		EN AW-6063, Al Mg0,7Si	-	-

Contents: Electronics 3.71%

Component/Substance	Quantity/vol in the produ	CAS	EC	Alloy	H-indication / Listings	Self-classification
Copper ribbons	0.88	-	-	-	-	-
↳ Bly	0,038720 00000000 0004%	7439-92-1	231-100-4	-	H360FD H362 **Begränsningslistan (REACH XVII)** **Kandidatämne (Repr.)** **Pb** **SIN** **Utfasningsämne**	-
↳ Koppar	0,821920 00000000 01%	7440-50-8	231-159-6	-	-	-
↳ Tenn	0,05808%	7440-31-5	231-141-8	-	-	-
Solar cell	2.8	-	-	-	-	-
↳ Kisel	2,687999 99999999 97%	7440-21-3	231-130-8	-	-	-
↳ Silver	0,023239 99999999 9997%	7440-22-4	231-131-3	-	-	-
↳ Aluminium (fast)	0,078399 99999999 998%	7429-90-5	231-072-3	-	-	-
↳ Trisilicon tetranitride	0,00056%	12033-89-5	234-796-8	-	-	-
↳ Aluminiumtrioxid Aluminiumoxid	2,8E−06%	1344-28-1	215-691-6	-	-	-

The product includes the following listings

Pb

Utfasningsämne

Kandidatämne (Repr.)

SIN

Begränsningslistan (REACH XVII)

Assessment

Total
Accepted

Contents
Accepted

0. Declaration of Contents

- Supplier Certificate of Substance Content and Concentrations corresponding to assessment against level Accepted for each property criterion
- Reproductive toxic agent, Category 1A or 1B (H360): < 0.03% (rec) of individual substance(s) is reported but a supplier Certificate of Substance Content and Concentrations is missing
- Potential PBT and vPvB substances: = 0.1% (rec) of individual substance(s) is reported but a supplier Certificate of Substance Content and Concentrations is missing
- Environmentally hazardous substance (H411): = 2.5% of the substance(s), is reported

Contents: Electronics
Accepted

E. Electronics

- Reconciliation against the candidate list has been made for electronics, RoHS certificate for the product is available and weight by % breakdown of electronics vs. Other substances/components. Assessment against Accepted.
- Specifically designated substances and substance groups: Contains brominated flame retardants, does not fulfil the requirements for “recommended”

Lifecycle

Accepted

1. Constituent materials and raw materials

<50% renewable raw materials

Recycled material content <50%

2. Manufacture/production of the article

Data on emissions during production is not available.

Data on energy consumption is not available.

3. Packaging

The packaging can be recycled or energy recovered from it.

5. Refuse and demolition

Reutilisation/reuse is possible for =70% of the product.

Material recovery and recycling is possible for =70% of the product.

The product does not give rise to hazardous waste during use/building construction.

End-of-service-life products or parts of the item must be treated as electronic waste.

Sustainable supply chains

Has your company or organisation relevant certificates regarding Social Responsibility?
Yes , ISO 14001, ISO 9001, C2C, gold

Has your company or organisation a written Policy or a Code of Conduct dealing with Social Responsibility in Supply Chain?
Yes

What is included in the policy/Code of Conduct?
Arbetsrättslagstiftning, Arbetsmiljö, Miljö,

Is the policy/Code of Conduct made available to employees and distributed in the product's supply chain?
Yes

Is someone in your company's management team appointed responsible for work and routines regarding Social Responsibility?
Yes

Is there a procedure developed to follow up the product's supply chain with regard to Sustainable Supply Chains?
Yes

What is included in the procedure?
Kartläggning – av produktens leverantörskedja, Riskanalys - identifiering av risker i produktens leverantörskedja, Handlingsplan – hur identifierade risker ska hanteras, Uppföljning – av identifierade risker samt av varans leverantörer/underleverantörer, Avvikelsehantering – hur avvikelser ska hanteras

Articles

Name	Article number	GTIN/EAN	RSK	E-number
SOLID Solrif B.60 xxx; (xxx=315 to 380 in step of 5W)	SOLID Solrif B.60 x...	-	-	-
BLACKSTAR B.60 xxx; (xxx=315 to 380 in step of 5W)	BLACKSTAR B.60 x...	-	-	-
SOLID Framed B.60 xxx; (xxx=315 to 380 in step of 5W)	SOLID Framed B.6...	-	-	-
SOLID Solrif B.108 xxx; (xxx=370 to 445 in step of 5W)	SOLID Solrif B.108 ...	-	-	-
BLACKSTAR B.108 xxx; (xxx=370 to 445 in step of 5W)	BLACKSTAR B.108 ...	-	-	-

Documentation

Documentation used as the basis for assessment

Name	File size	Created
Produktbild	884.75 kB	2023-11-27
Byggvarudeklara...	72.81 kB	2024-01-18

Other documents

Name	File size	Created

No documents

Operation and maintenance related documents

Name	File size	Created
Tekniskt datablad	2.23 MB	2023-11-28
Tekniskt datablad	2.22 MB	2023-11-28
Tekniskt datablad	1.89 MB	2023-11-28
Tekniskt datablad	396.4 kB	2023-11-28
Tekniskt datablad	1.93 MB	2023-11-28

	Tekniskt datablad	990.15 kB	2023-11-28
	Tekniskt datablad	603.53 kB	2023-11-28
	Monteringsanvis...	1.61 MB	2023-11-28
	Monteringsanvis...	1.61 MB	2023-11-28

Sustainable supply chains

Name	File size	Created

No documents

Certifications

Miljöbyggnad

4.0
Ind 15

The BSAB code is not encompassed within MB! (Product has documentation equivalent to an e-BVD, which corresponds to the GOLD level in MB 3.0).

3.0 / 3.1 / 3.2

Ind 13

The BSAB code is not encompassed within MB! (Product has documentation equivalent to an e-BVD, which corresponds to the GOLD level in MB 3.0).

Ind 14

The BSAB code is not encompassed within MB, but the product does not contain any phase-out or risk reduction substances, which is equivalent to GOLD. Note! Emissions are not taken into consideration!

2.1 / 2.2

Ind 14

The BSAB code is not encompassed within MB, but the product has a public and full BVD3, which is equivalent to GOLD

Ind 15

The BSAB code is not encompassed within MB. The product does not contain any phase-out substances according to KEMI?s definition above the classification limits, which corresponds to the GOLD standard.

BREEAM-SE

BREEAM® SE

2017 v.1.1

Mat07

Product does not contain any phase-out substances (according to KEMI?s definition and EDS Cat1/ Cat2) above the classification limits (2p.)- Installation product

2013 v.2.0

Mat08

The BSAB code is not encompassed within BREEAM, but the product does not contain any phase-out substances above the classification limits.