

## CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1:2018

Classification no.	2021-Efectis-R001214
Sponsor	Esdec Solar Group Londenstraat 16 7418 EE DEVENTER THE NETHERLANDS
Product name	<b>Polypropylene Roof Support 100-9120</b>
Prepared by	Efectis Nederland BV
Notified body no.	1234
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## 1. INTRODUCTION

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This classification report defines the classification assigned to **Polypropylene Roof Support 100-9120** in accordance with the procedures given in EN 13501-1:2018.

## 2. DETAILS OF CLASSIFIED PRODUCT

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### 2.1 GENERAL

The product, **Polypropylene Roof Support 100-9120**, is defined as a supporting element for PV panel mounting construction systems on flat roofs.

### 2.2 MANUFACTURER

Esdec Solar Group  
Londenstraat 16  
7418 EE DEVENTER  
THE NETHERLANDS

### 2.3 PRODUCT DESCRIPTION

Product description:

- Polypropylene UV stabilized homopolymer a density of 1050 kg/m<sup>3</sup> and with colour black.
- Product thicknesses tested: 1 to 3mm
- Detailed dimensions of the product are available in the appendix "TECHNICAL DRAWINGS" and a detailed description of the composition of the polymer is available in the test report "2021-Efectis-R001213".

## 3. STANDARDS, REPORTS AND RESULTS IN SUPPORT OF THIS CLASSIFICATION

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### 3.1 APPLICABLE (PRODUCT) STANDARDS

EN ISO 11925-2:2020	Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test
EN 13238:2010	Reaction to fire tests for building products - Conditioning procedures and general rules for selection of substrates
EN 13501-1:2018	Fire classification of construction products and building elements Part 1: Classification using data from reaction to fire tests

### 3.2 REPORTS

Name of Laboratories	Name of sponsor	Report ref. no.	Test method
Efectis Nederland BV THE NETHERLANDS	Esdec Solar Group THE NETHERLANDS	2021-Efectis-R001213	EN ISO 11925-2:2020

### 3.3 TEST RESULTS

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter – maximum	Compliance with parameters
<b>EN ISO 11925-2</b>				
Surface flame impingement Top side	F <sub>s</sub> ≤150 mm	6	60	-
	Ignition of filter paper		-	Compliant
Edge flame impingement Top side	F <sub>s</sub> ≤150 mm	6	70	-
	Ignition of filter paper		-	Compliant
Surface flame impingement bottom side	F <sub>s</sub> ≤150 mm	2	50	-
	Ignition of filter paper		-	Compliant
Edge flame impingement bottom side	F <sub>s</sub> ≤150 mm	2	60	-
	Ignition of filter paper		-	Compliant

### 3.4 CLASSIFICATION CRITERIA

<b>Fire classification of construction products and building elements</b>	
<b>Classification criteria</b>	
Class Test method(s)	<b>E</b>
<b>EN ISO 11925-2</b> Exposure = 15 s	F <sub>s</sub> ≤ 150 mm within 20 s Ignition of the paper in EN ISO 11925-2 results in a d2 classification.

#### 4. CLASSIFICATION AND FIELD OF APPLICATION

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##### 4.1 REFERENCE OF CLASSIFICATION

This classification has been carried out in accordance with clause 11 of EN 13501-1:2018.

##### 4.2 CLASSIFICATION

The product, **Polypropylene Roof Support 100-9120**, in relation to its reaction to fire behaviour is classified:

**Reaction to fire classification: E**

##### 4.3 FIELD OF APPLICATION

This classification is valid for the following product parameters:

Thickness	According to the appendix "TECHNICAL DRAWINGS"
Overall density	1050 kg/m <sup>3</sup>
Other properties	Product thickness: 1 to 3 mm Dimensions according to the appendix "TECHNICAL DRAWINGS"

This classification is valid for the following end use applications:

Substrate	Not applicable
Methods and means of fixing	Not applicable
Other aspects of end use conditions	As a supporting construction. Tested as placed on the market

##### 4.4 DURATION OF THE VALIDITY OF THIS CLASSIFICATION REPORT

Consult classification standard and national laws and regulations for limitations on the period of validity of the classification.

## 5. LIMITATIONS

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This classification document does not represent type approval or certification of the product.



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**APPENDIX: TECHNICAL DRAWINGS**

