



# Carbon Footprint of Products

## CFP Declaration

Registration number : JR-BL-24001C

# Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan

<https://ecoleaf-label.jp/>



MESCO, Inc.

High Density Polyethylene Pipes WE



### Functional unit

Per 1kg

### System boundary

final products       intermediate products

Production/Construction/Disposal & Recycle

### Main specifications of the product

Material: High Density Polyethylene(HDPE)

Size: φ160~φ710

OD Wall Thickness Dimensions: SDR11,SDR13.6

Weight: 8.5kg/m (Case of SDR11,Nominal size150)

Color: Black

Main production sites: Oita factory,Korea site

### Company Information

MESCO, Inc.

+81-(0)3-5610-7851

<https://www.mesco.co.jp/english/pipes/>

Registration#	JR-BL-24001C
PCR number	PA-452210-BL-04
PCR name	Higher Performance Polyethylene Pipes and Fittings for Building Equipments(intermediate goods)
Publication date	3/1/2024
Verification date	1/31/2024
Verification method	Product-by-product
Verification#	JV-BL-24001
Expiration date	1/30/2029

### PCR review was conducted by:

Approval date	9/1/2023
PCR review panel chair	Masayuki Kanzaki (SuMPO)

### Third party verifier\*

	Yumiko Umehara
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Independent verification of data & declaration in accordance with ISO/TS14067

internal       external

\*Auditor's name is stated if system certification has been performed.

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1. Quantification results, and contents of the declaration

CFP quantification unit : Per 1kg

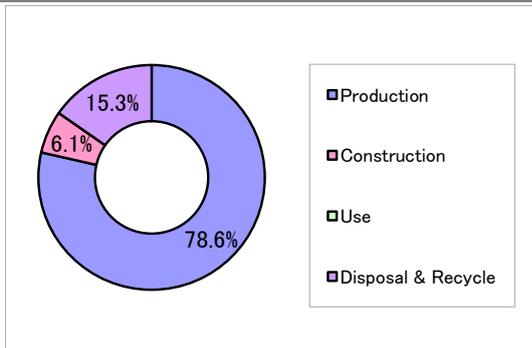
Parameter			Unit
<b>CFP Quantification results</b>		<b>3.8</b>	<b>kg-CO<sub>2</sub>eq</b>
Breakdown	Production	3.0	kg-CO <sub>2</sub> eq
	Construction	0.23	kg-CO <sub>2</sub> eq
	Use	–	kg-CO <sub>2</sub> eq
	Disposal & Recycle	0.58	kg-CO <sub>2</sub> eq
<b>Value on CFP mark</b>		<b>3.8</b>	<b>kg-CO<sub>2</sub>eq</b>
<b>Unit for the value on CFP mark</b>		<b>Per 1kg</b>	

\*Quantification results may slightly differ from the sum of the breakdown due to rounding of fractions.

3. Supplementary environmental information

Manufactured at ISO 14001 certified factory.

2. Additional information



1) The transport to construction site, the transport of waste packing material and the waste product are used transport scenarios of PCR.

2)The construction phase includes only transportaion to the construction site and disposal of packing materials during construction.

4. Interpretation

In this calculation, CO2 emissions during the Production phase accounted for more than 70% of the total.

In addition, wastes generated during the Production phase are recycled and are reflected in the calculations.

The results may be different from the specific product specification.

5. Assumptions of secondary data used

IDEA v2.1.3 of Japan EPD Program by SuMPO are used.

6. Remarks

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- For data quantification, please refer to PCR and Rules on quantification and declaration.
- Comparative assertion is permitted only when Rules on quantification and declaration are satisfied.  
(Reference URL : <https://ecoleaf-label.jp/regulation/>)
- The CFP only addresses the single impact category of climate change and does not assess other potential social, economic and environmental impacts arising from the provision of a product.