



EGE ORMAN VAKFI

Version 1.0
24-02-2017

PRODUCT CATEGORY RULES

General

Name of PCR:	Printed laminated packaging film products		
Scope of products this PCR covers:	PP, PET, OPA, ALM, PAPER film based printed, laminated flexible plastic packaging.		
Product industrial classification: (ISIC-CPC classification)	Division:	36	Rubber and plastics products
	Group:	364	Rubber and plastics products
	Class:	3649	Other articles for the conveyance or packing of goods, of plastics; stoppers, lids caps and other closures, of plastics
Environmental criteria:	Carbon		
Boundaries included: [7.4.2]	Cradle-to-gate:	Yes	Cradle-to-grave: No
Validity of this PCR:	This PCR is designed to be used in conjunction with the Scheme Footprinting Requirements of the Carbon Trust, Brazil, Hong Kong and Turkey carbon labelling schemes and should not be used without these or similar requirements.		
Scheme operator:	EOV		
Publication date:	24/02/2017	Valid until:	24/02/2022

Criteria for comparing like-with-like

Technical criteria that shall be disclosed:	Weight of product Number of layers required of the packaging material Net width of film
Intended use(s) that shall be disclosed:	None.
Unit of Analysis(es): [7.3.4] [8.6 for requirements for Functional Units].	kg of film Meter of film
SKU grouping requirements: [7.3.3.1]	
Time period for data: [7.4.5]	Annual. Preferably January – December, but can be any 12 consecutive months.
Additional product performance information that shall be disclosed for cradle-to-gate footprints:	<i>None</i>

Generic process map

Generic process map	
Scope:	All emissions cradle-to-gate. No capital equipment is included within scope.

Additional category-specific methodological requirements

Allocation: [7.4.8]	<i>No further requirements additional to the SFR.</i>
Materiality: [7.4.3.2, 7.5.3]	<i>No further requirements additional to the SFR.</i>
Process/fugitive emissions: [7.5.6]	None.
Sampling: [7.5.4.1]	No sampling shall be permitted – data must be collected for all manufacturing sites.
Incoming transport:	<i>No further requirements additional to the SFR.</i>
Links to other PCRs:	http://pcr-library.edf.org.tw/data/japan/Plastic%20Containers%20and%20Packaging.pdf
Emissions factors:	Carbon Trust, Ecoinvent
Water regional specificity:	<i>Not applicable.</i>

Processes information for the Footprinting Tool Template

				Default allocation (%)			
Utility (Energy and Water)	Units:	Default Value:	Default DQI: (1 - 10)	Process 1: PRINTING (INCLUDING LACQUERING AND COLD SEALING)	Process 2: LAMINATION (UP TO 4 SUB-STAGES)	Process 3: SLITTING	Process 4 PACKAGING
Electricity	kWh	NA	9	Depends on the specification of the order (how many layers, colours, width, quality)			
Natural gas	m ³	NA	9				

Process 1:	PRINTING	Reference flow:	Per year (entire site)
Outputs:	PRINTED FLEXIBLE PACKAGING FILM	Products split by:	N/A
Co-products:	<i>None</i>	Default allocation:	<i>Not applicable</i>
Waste:	WASTE PRINTED FLEXIBLE PACKAGING FILM WASTE INK VOLATILE ORGANIC CARBON (VOC)/WASTE SOLVENT	Default allocation:	<i>Not applicable</i>
Material Input:	Unit:	Default value:	Default value:
BOPP FILM	kg	No default values. Inputs can be a combination of the list of the left, depending on customer requirements.	
PET FILM	Kg		
PE FILM	Kg		
CPP FILM	Kg		
OPA FILM	Kg		
ALUMINIUM FILM	Kg		
PAPER	kg		
PRINTING INK	kg		
LACQUER	kg		
SOLVENT	kg		
ADHESIVE	kg		
COLD SEAL	kg		

Process 2:	LAMINATION	Reference flow:	Per year (entire site)
Outputs:	PRINTED LAMINATED FLEXIBLE PACKAGING FILM	Products split by:	N/A
Co-products:	<i>None</i>	Default allocation:	<i>Not applicable</i>
Waste:	WASTE PRINTED LAMINATED FLEXIBLE PACKAGING FILM VOLATILE ORGANIC CARBON (VOC)/WASTE SOLVENT WASTE ADHESIVE	Default allocation:	<i>Not applicable</i>
Material Input:	Unit:	Default value:	Default value:
PRINTED FLEXIBLE PACKAGING FILM	kg	No default values. Inputs can be a combination of the list of the left, depending on customer requirements. Lamination process can be solvent based or non-solvent based, depending	
SECOND LAYER PRINTED FLEXIBLE PACKAGING FILM (BOPP, PET, PE, CPP, OPA, ALM)	kg		

THIRD LAYER FIL PRINTED FLEXIBLE PACKAGING FILM M (BOPP, PET, PE, CPP, OPA, ALM)	kg	on customer specification.
FOURTH LAYER PRINTED FLEXIBLE PACKAGING FILM (BOPP, PET, PE, CPP, OPA, ALM)	kg	
ADHESIVE	kg	
SOLVENT	kg	

Process 3:	CURING/SLITTING	Reference flow:	Per year (entire site)
Outputs:	PRINTED LAMINATED FLEXIBLE PACKAGING FILM (SLITTED)	Products split by:	N/A
Co-products:	None	Default allocation:	Not applicable
Waste:	Waste PRINTED LAMINATED FLEXIBLE PACKAGING (SLITTED)	Default allocation:	Not applicable
Material Input:	Unit:	Default value:	Default value:
PRINTED LAMINATED FLEXIBLE PACKAGING FILM	kg	No default values. Inputs can be a combination of the list of the left, depending on customer requirements. Lamination process can be solvent based or non-solvent based, depending on customer specification.	
CORE	Units		

Process 4:	PACKAGING	Reference flow:	Per order
Outputs:	PRINTED LAMINATED FLEXIBLE PACKAGING FILM (SLITTED AND PACKAGED INTO REELS)	Products split by:	N/A
Co-products:	None	Default allocation:	Not applicable
Waste:	None	Default allocation:	Not applicable
Material Input:	Unit:	Default value:	Default value:
PE BAGS	Kg		
WOODEN PALLETS	Units		

CARTON BOXES	Units
STRETCH FILM	Units
STRAPPING (PLASTIC)	Units
CARDBOARDS SEPARATOR	Units
CARDBOARDS OVER PALLET	Units

*REUSED

Labels

Carbon label:	 <p style="font-size: small;"> <i>"The model used to calculate the carbon footprint of this product has been comprehensively reviewed" by Carbon Trust Advisory Ltd to be capable of generating footprints compliant with ISO/TS 14067 and the program rules of EOY, the scheme operator. The scope of the Model is cradle-to-gate, and does not consider emissions after the factory gate of the company. The Carbon Trust's mission is to accelerate the move to a sustainable, low carbon economy."</i> </p> <p style="font-size: x-small;"> <i>"The Carbon Trust does not guarantee that all results from the Model are valid. The validity of carbon footprint results depend on factors such as the type of laminate materials applied and the printing process, use of actual waste data, accurate input parameters and the length of use of roller or plates for the print run (minimum 500,000m²)"</i> </p>
Water label:	<i>Not applicable</i>

Created by

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