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Around

Task Chair

Environmental Product Declaration

Date of Issue: 5/27/2025
Date of Expiration: 5/26/2030

Certified Environmental Product Declaration
www.nsf.org

PRODUCT CATEGORY RULE
BIFMA PCR for Seating: UNCPC 3811 Version 3

FUNCTIONAL UNIT
1 seat for 1 individual, maintained for a 10-year period (1 unit of Around task chair). This study covers a representative configuration with product code NARM2WA127E523SY18B and includes a mesh back, 2D arms, fabric seat upholstery, seat depth adjustment, lumbar element, standard cylinder, and a plastic base with hard casters. This EPD represents Around chairs beginning with product codes NARM2 with fabric upholstery.

Compared with the image above, the modeled configuration has a different seat back than shown. The modeled configuration does not have an upholstered seat back construction with foam. The modeled configuration does include mesh seat back with lumbar element

This EPD was not written to support comparative assertions. EPDs based on different PCRs or different calculation models may not be comparable. When attempting to compare EPDs or life cycle impacts of products from different companies, the user should be aware of the uncertainty in the final results due to and not limited to the practitioner's assumptions, the source of the data used in the study and the software tool used to conduct the study.

Program Operator	NSF Certification, LLC 789 N. Dixboro, Ann Arbor, MI 48105 sustainability@nsf.org
Manufacturer Name and Address	Teknion Ltd. 1150 Flint Road North York, ON M3J 2J5, Canada
Declaration Number	EPD11070
Declared Product and Functional Unit	Around Task Chair (Product codes starting with NARM 2 with fabric upholstery) Functional unit: 1 seat for 1 individual, maintained for a 10 year period.
Reference PCR and Version Number	BIFMA PCR for Seating: UNCPC 3811 Version 3
Intended Audience	Business-to-Business, Business-to-Consumer
Product's intended Application and Use	Commercial Furniture
Product RSL	10 years
Markets of Applicability	North America
Date of Issue	5/27/2025
Period of Validity	5 years from date of issue
EPD Type	Product Specific
Range of Dataset Variability	N/A
EPD Scope	Cradle to Grave
Year of reported manufacturer primary data	2021
LCA Software and Version Number	Sphera LCA For Experts (formerly GaBi) 10.9
LCI Database and Version Number	Sphera MLC (formerly GaBi Database) 2022.1
LCIA Methodology and Version Number	TRACI 2.1
The sub-category PCR review was conducted by:	Thomas Gloria, PhD (chair) Jack Geibig, P.E. Michael Overcash, PhD
This declaration was independently verified in accordance with ISO 14025: 2006. The BIFMA PCR for Office Furniture Seating Products: UNCPC 3811 Version 3 serves as the core PCR. **☐ Internal ☒ External**	Jack Geibig – EcoForm jgeibig@ecoform.com 
This life cycle assessment was conducted in accordance with ISO 14044 and the reference PCR by:	WAP Sustainability Consulting
This life cycle assessment was independently verified in accordance with ISO 14044 and the reference PCR by:	Jack Geibig – EcoForm jgeibig@ecoform.com 

Limitations:
Environmental declarations from different programs (ISO 14025) may not be comparable.
Comparison of the environmental performance of products using EPD information shall be based on the product's use and impacts at the building level, and therefore EPDs may not be used for comparability purposes when not considering the building energy use phase as instructed under this PCR.
Full conformance with the PCR allows EPD comparability only when all stages of a life cycle have been considered. However, variations and deviations are possible". Example of variations: Different LCA software and background LCI datasets may lead to differences results for upstream or downstream of the life cycle stages declared.

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Company Description

Teknion designs, manufactures, and markets workplace interiors. Its products include panel systems, desking systems, private office systems/case goods, seating solutions, architectural products, tables and collaborative spaces, storage products, work better tech products (complements), and textiles. The company's products are used in various applications, including open, collaborative, private, meeting, lounge, learning, next culture, and work couture areas. Teknion was founded in 1981 and is based in Toronto, Canada.

Product Description

Designed by Justus Kolberg, the Around™ task chair and swivel stool collection were conceived to achieve two different looks—an upholstered or mesh back—framed by a sleek sculptural form. Concealed innovations optimize function and comfort. Around was designed with a unique "two-chairs-in-one" ideology, an approach that offers a distinctive design expression and an opportunity to vary the aesthetic within the product line.

The specific configuration modeled (product code NARM2WA127E523SY18B) is Around task chair with a mesh back, 2D arms, fabric seat upholstery, seat depth adjustment, lumbar element, standard cylinder, and a plastic base with hard casters. Additional details of the product configuration used for this EPD can be found below, but other configurations are possible. This product is determined to be a representative product of Around task chairs starting with code NARM2 with fabric upholstery. While the exact configuration purchased may be slightly different, it is expected to have impacts within 10% of this representative configuration.

	Around Task Chair
Product Category	Seating
Number of Occupants	1
Components Included	Mesh back, 2D arms, fabric seat upholstery, seat depth adjustment, lumbar element, standard cylinder, and plastic base with hard casters
Recycled Content	7.3% pre-consumer, 16.1% post-consumer

Product Composition

Like many commercial furniture products, Around Task Chair is available in a multitude of configurations. For this particular study, a representative configuration was used to represent all Around task chairs starting with code NARM2 with fabric upholstery. This composition of the configuration is provided in the table below. The exact configuration purchased may be slightly different but is expected to have impacts within 10% of this representative configuration.

The total product weight is 15.8 kg and a reference service life of 10 years. To meet the functional unit, 1 unit of Around Task chair is required.

Material	Mass %	Material Type*	Material	Mass %	Material Type*
Polyamide 6 (PA6) with Glass Fill	55%	VNR, R	Polyester Fabric	2%	VNR, R
Polyamide 6 (PA6)	17%	VNR, R	Aluminum	1%	R
Steel	11%	VNR, R	Pigment	1%	VNR
Polyurethane (PU)	7%	VNR	Other	1%	VNR, R
Polypropylene	5%	VNR			

*VNR = virgin non-renewable resource, VR = virgin renewable resource, R = recycled resource

Selection of Impact Parameters

Environmental Impacts were calculated using the Sphera LCA For Experts (formerly GaBi) software platform. Impact results have been calculated using TRACI 2.1 characterization factors. Results presented in this report are relative expressions and do not predict impacts on category endpoints, the exceeding of thresholds, safety margins, or risks.

Abbreviation	Parameter	Unit
AP	Acidification potential of soil and water	kg N eq.
EP	Eutrophication potential	kg SO_2 eq.
GWP incl bio c	Global warming potential, including biogenic carbon	kg CO_2 eq.
GWP excl bio c	Global warming potential, excluding biogenic carbon	kg CO_2 eq.
ODP	Depletion of stratospheric ozone layer	kg CFC 11 eq.
SFP	Smog formation potential	kg O_3 eq.

In addition to the environmental parameters above, the following resource use and waste categories are also disclosed.

Abbreviation	Parameter	Unit
PED	Total use of renewable and non-renewable primary energy resources	MJ, net calorific value
FW	Net use of fresh water	kg

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LCA Results

All results are given per functional unit, which is 1 seat for 1 individual for a period of 10 years. The product meets testing criteria per ANSI/BIFMA X5.1 and has a reference service life of 10 years. To fulfill the functional unit, 1 unit of product is required.

TRACI Results for Around Task Chair

Impact Category	Unit	Total	Material Acquisition	Production	Distribution, Storage, and Use	End-of-Life
AP	kg SO_2-eq	**2.80E-01**	1.90E-01	7.68E-02	7.09E-03	6.45E-03
EP	kg N-eq	**2.82E-02**	1.45E-02	9.75E-03	6.31E-04	3.26E-03
GWP incl bio c	kg CO_2-eq	**9.57E+01**	7.60E+01	1.05E+01	1.53E+00	7.76E+00
GWP excl bio c	kg CO_2-eq	**1.01E+02**	7.59E+01	1.68E+01	1.52E+00	7.27E+00
ODP	kg CFC-11 eq	**5.19E-10**	1.08E-12	5.18E-10	2.89E-15	2.25E-14
SFP	kg O_3-eq	**4.04E+00**	2.84E+00	9.69E-01	1.64E-01	6.52E-02

LCI Indicators for Around Task Chair

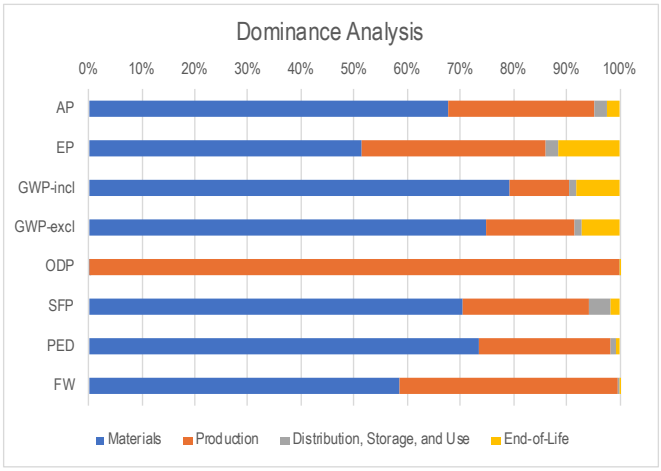
Impact Category	Unit	Total	Material Acquisition	Production	Distribution, Storage, and Use	End-of-Life
PED	MJ	**2.10E+03**	1.55E+03	5.20E+02	2.23E+01	1.34E+01
FW	kg	**5.81E+02**	3.39E+02	2.38E+02	3.00E+00	1.41E-02

Interpretation

A dominance analysis was performed for this product LCA to show which of the life cycle stages contributes to the majority of the impacts. Results are shown for the six TRACI 2.1 impact categories.

Overall, the dominance analysis shows the vast majority of the impacts are coming from the materials and production stages. This tracks with the majority of durable goods similar to Around Task Chair.

An additional dominance analysis was performed to determine the relative impacts of the materials used in the production of Around Task Chair. For most of the LCIA indicators, the top materials are polyamide 6 with glass fill, polyamide 6, and polypropylene. One exception is ODP which is mostly affected by production of PET fabric.



Additional Environmental Information

Teknion is a supporter and/or a participant in the following environmental and sustainability related programs.

- The International Living Future Institute's Declare program. Products with Declare labels can be found at https://living-future.org/declare/
- ANSI/BIFMA e3-2014e Furniture Sustainability Standard program. Around Task Chair is certified to Level 3, and the certification can be found at this link.
- Teknion products comply with SCS's Indoor Advantage Gold program. Around Task Chair's certification can be found at link.
- Teknion has been a member of the USGBC since 2016.

Additionally, Teknion publishes an annual Impact Report which is publicly available at https://teknion-limited.shorthandstories.com/impact-report-3-0/index.html

References

Life Cycle Assessment of Teknion Products: Background Report for LCA/EPD of Seating Products. WAP Sustainability. September 2022. Amendment 1 February 2023. Amendment 2: 24 April 2025.

BIFMA PCR for Seating: UNCPC 3811 Version 3

ISO 14025:2006 Environmental labels and declarations – Type III environmental declarations – Principles and procedures.

ISO 14040:2006 Environmental management - Life cycle assessment – Principles and framework.

ISO 14044:2006 Environmental management - Life cycle assessment – Requirements and guidelines.