

Steelcase Karman™

Product Ingredient Disclosure

APAC



Choose + Use Materials Responsibly

Steelcase is committed to sourcing and selecting materials that are safe for people and our planet. This Product Ingredient Disclosure demonstrates our commitment to chemical and material transparency. Learn more about how Steelcase is working to design better futures for the wellbeing of people and the planet [here](#).

Scope

Steelcase Karman™

419A000AP

Task chair with 4D Arms, lumbar support, hard casters with plastic base

Exclusions and Exemptions

Headrest, stool and glide options

Product Description

Designed to feel light, flexible and remarkably responsive, Steelcase Karman™ adapts seamlessly as you move. This ultra-light performance chair offers intuitive support that keeps you comfortable, focused, and at ease throughout the day.

<https://www.steelcase.com/asia-en/products/office-chairs/steelcase-karman/>

Chemicals of Concern List

The product was screened against the following lists utilizing applicable rules and exceptions:

- **Living Building Challenge (LBC) Red List v4.0** with the following exceptions:
 - RL-004a – Proprietary Ingredients
- **ANSI/BIFMA e3-2019 Furniture Sustainability Standard: Annex B Chemical List**

Material Inventory

Material	Weight (KG)	Weight (%)
<i>nylon (PA6 and PA66)</i>	4.31	35.95
<i>glass fiber</i>	3.11	25.93
<i>carbon steel</i>	2.07	17.30
<i>polypropylene (PP)</i>	1.20	10.00
<i>alloy steel</i>	0.61	5.08
<i>polyurethane (PU)</i>	0.14	1.13
<i>elastomer (TPE)</i>	0.14	1.10
<i>thermoplastic Polyurethane (TPU)</i>	0.13	1.07
<i>polyoxymethylene (POM)</i>	0.12	1.00
<i>elastomer, Vulcanizate (TPV)</i>	0.09	0.13
<i>other</i>	0.08	0.70
<i>Total</i>		100

Chemical Inventory

I. Chemical Class

This product was screened against the following lists utilizing applicable exceptions:

Chemical Class	Presence / Notes
Flame retardant chemicals (FR)	<i>none</i>
Per- and poly-fluoroalkyl substances (PFAS)	<i>none</i>
Antimicrobial Agents	<i>none</i>
Organo-halogenated compounds	<i>none including no PVC</i>
Heavy metals*	<i>none</i>
Formaldehyde and other VOCs (emissions) [†]	<i>SCS Indoor air Advantage™ Gold</i>

*: metals such as lead, cadmium, mercury, hexavalent chromium, arsenic, and their compounds

†: VOC: volatile organic compound

More Information

www.steelcase.com

II. Chemical Constituents			
Ingredients	CAS RN	% Weight	Chemicals of Concern
nylon-6	25038-54-4	25.43	
carbon steel	12597-69-2	22.81	
glass, oxide, chemicals	65997-17-3	22.48	
nylon-6,6	32131-17-2	6.29	
thermoplastic elastomer	308079-71-2	4.60	
Aluminum alloy A380	A380	4.10	
1-Propene, Polymer with Ethene	9010-79-1	2.41	
flexible polyurethane foam	9009-54-5	2.33	
1-propene, homopolymer	9003-07-0	2.08	
1,3,5-trioxane, polymer with 1,3-dioxolane	24969-26-4	1.29	
thermoplastic polyester elastomer	9078-71-1	0.97	
polyurethane polyether elastomer	9018-04-6	0.96	
magnesium silicate monohydrate (Talc)	14807-96-6	0.58	
proprietary ingredients	-	0.52	
copper iodide	7681-65-4	0.50	
carbon black	1333-86-4	0.46	
polyethylene terephthalate	25038-59-9	0.36	
nylon-6I/6T	25750-23-6	0.29	
Aluminum alloy ASTM A401	ASTM A401	0.25	
powder metal MPIF FN-0205	MPIF FN-0205	0.24	
zinc alloy JIS-ZDC-2	JIS-ZDC-2	0.21	
Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	6683-19-8	0.13	
aluminum alloy AA2011	AA2011	0.12	
zinc alloy JIS-ZDC-1	JIS-ZDC-1	0.08	
ethylene-hexene copolymer	25213-02-9	0.08	
zinc	7440-66-6	0.07	
stainless steel	65997-19-5	0.06	
nitrile butadiene rubber	9003-18-3	0.05	
white mineral oil, petroleum	8042-47-5	0.03	
poly(Bisphenol A-co-epichlorohydrin) glycidyl	25036-25-3	0.03	
solvent dewaxed heavy paraffinic distillate	64742-65-0	0.01	
saturated polyester resin	61926-16-7	0.01	
highly refined mineral oils	8012-95-1	0.01	
diiron-trioxide	1309-37-1	0.01	

¹ Materials and chemicals are disclosed for the specific style number and option configuration of the product as described in the Scope section, considering any noted exclusions and exemptions. Composition may change based on options selected by the specifier. Chemical constituents and members of chemical classes are disclosed if present at or above 0.01% (100 ppm) by total weight of product. Percentage weights are typical values. Proprietary ingredients include chemical constituents that are withheld by the supplier/raw material manufacturer and/or are shared with Steelcase only, as confidential business information. Information is obtained directly from suppliers, raw material manufacturers and other reliable sources. The contents of the documents are subject to change without notice.