



PRODUCT CARBON FOOTPRINT

CARBON FOOTPRINT OF A PRODUCT (CPF) IS A SUM OF GREENHOUSE GAS EMISSIONS AND REMOVALS IN A PRODUCT SYSTEM EXPRESSED AS CO₂E EQUIVALENTS (CO₂E) AND BASED ON A LIFE CYCLE ASSESSMENT USING THE SINGLE IMPACT CATEGORY OF CLIMATE CHANGE. GREEN HOUSE GASES GHGS ARE EMITTED AND REMOVED THROUGHOUT THE LIFE CYCLE OF A PRODUCT (I.E. CRADLE-TO-GRAVE) FROM RAW MATERIAL ACQUISITION THROUGH PRODUCTION, USE AND END-OF-LIFE TREATMENT. CARBON FOOTPRINT CALCULATION IS IN ACCORDANCE WITH TECHNICAL SPECIFICATION OF CPF GIVEN BY ISO NORM 14067:2013.

Seifert Kunststofftechnik GmbH

COMPANY

Wfp 21 K-12 LL

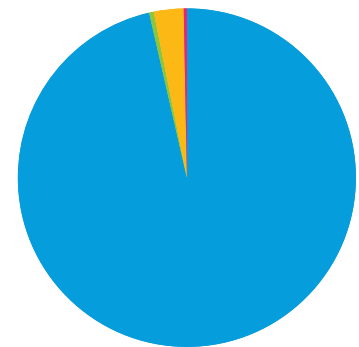
PRODUCT/AREA

2016
YEAR OF
CALCULATION

170 g
UNIT

RESULT

	g CO ₂ e	%
Raw materials	1,139.0	96.4%
Transportation of raw material	5.2	0.4%
Manufacturing	33.7	2.9%
Dispatching to client	3.5	0.3%



1,181.4 g CO₂e

TOTAL

Cradle-to-client methodology of Carbon footprint of a Product (CPF) was employed in the assessment. Use of product and end-of-life phases were not incorporated. Total CPF is dominated by production of raw material - PA6. Its production is based on fossil energy-intensive process of polymerization of caprolactam. Therefore, raw material's share on total CPF is dominant 96%. Manufacturing is responsible for only 3% of total footprint and share of transport (both of raw material and final product to client) is insignificant (less than 1%).

DESCRIPTION

Not determined

DETERMINATION OF TREND

5. 12. 2016

DATE

Rudná

PLACE



CI2, o.p.s.
Ke Skolce 1519/51
252 19 Rudná

SIGNATURE