

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

Sdu NG

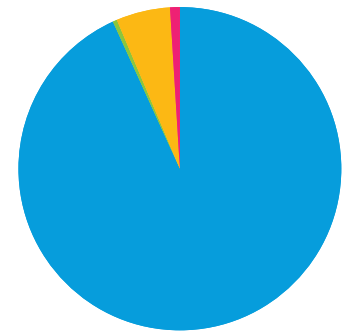
PRODUCT/AREA

2016
YEAR OF
CALCULATION

55 g
UNIT

RESULT

	g CO ₂ e	%
Raw materials	176.0	93.2%
Transportation of raw material	0.8	0.4%
Manufacturing	10.2	5.4%
Dispatching to client	1.8	1.0%



188.9 g CO₂e

TOTAL

Not determined

DETERMINATION OF TREND

Cradle-to-client methodology of Carbon footprint of a Product (CFP) was employed in the assessment. Use of product and end-of-life phases were not incorporated. Total CFP is dominated by production of raw material - POM. Its production is based on fossil energy-intensive process of polymerization of formaldehyde and/or trioxane. Therefore, raw material's share on total CFP is dominant 93%. Manufacturing is responsible for only 5% of total footprint and share of transport (both of raw material and final product to client) is insignificant (less than 2%).

DESCRIPTION

5. 12. 2016

DATE

Rudná

PLACE



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

SIGNATURE