



GPS K-Cup Compostable Capsule Data Sheet.

Code: GPSCOMPKCUP OS22

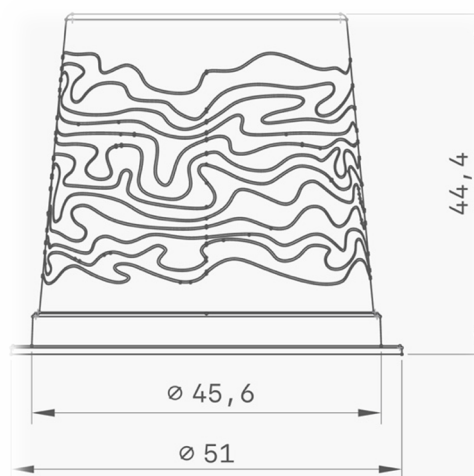
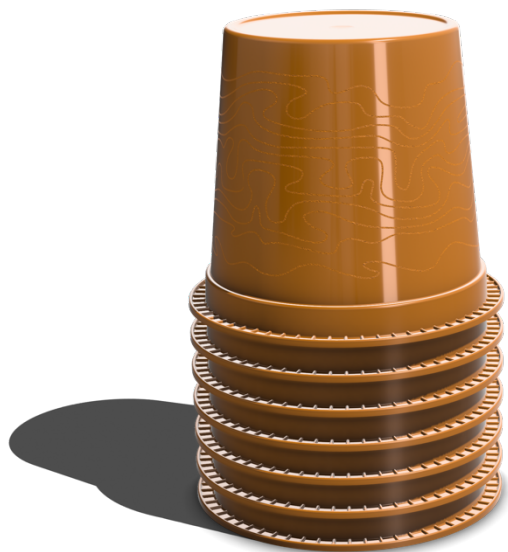


COMMERCIALLY
COMPOSTABLE ONLY.
FACILITIES MAY NOT
EXIST IN YOUR AREA.
CERT #10529721

FOR COLLECTION IN MUNICIPAL
PROGRAMS, WHERE APPROVED.
POUR LA COLLECTE DANS LES
PROGRAMMES MUNICIPAUX, OÙ
APPROUVÉS. CERT #10529721

Type: Commercially Compostable Coffee Capsule K-Cup Compatible. *Patented Design*

GPSCOMPKCUP OS22 is suitable for K-cup compatible coffee/beverage capsule application Commercially compostable and Oxygen/Moisture 100% barriered.



PHYSICAL PROPERTIES	UNITS	VALUES
Compatibility	KEURIG® Brewers	Also 2.0 Version
Flange Diameter	mm	Ø 51mm
Under Flange Diam.	mm	Ø 46.6 mm

Total Height	mm	44.4mm
Body Material	PLA/PBS	Inner/Outer layer
Barrier Material	G-Polymer PVOH	Incapsulated Middle layer
Stuck size	Space Between capsule/capsule	4.5mm
Nest length	nr. Of Caps per 30cm	47 caps
Box Size	mm	W.420x L325x H.322
Capsules/Box	Q.ty	2400 Caps
Box Per Pallets	US Pallet (1200X1000 mm) for 40' Cnt)	54 Boxes
Box Per Pallets	US Pallet (1200X1000 mm for 40" HQ Cnt)	63 Boxes
Box weight	KG.	12 Kg/box
Loading 40" Cnt	21 Pallet	3.175.200

PROPERTIES	UNITS	TYPICAL VALUES	METHOD
Heat Seal Range	°C	≈105-160 °C	
WVTR Water Vapour permeability (38°C e 90% RH.)	(g pack ⁻¹ 24h ⁻¹)	0.00864 ^(*)	ASTM F1249
OTR Oxygen permeability (23°C e 50% RH.)	(mL pack ⁻¹ 24h ⁻¹)	< 0.05 ^(*)	ASTM F 1927
Global Migrations Overall Migration (MPPO,60°, 10d)	mg/dm ²	< 1	EN 1186-13:2022

Composability	Commercially Compost	PASS	EN13432 ASTM D6400
Commercially Only Approved	BPI	CERT# 10529721	Full Set (Capsule+Lid+Filter)
Material Safety	Available upon NDA		

(*) According to this barrier Values standing on the HIGH range, 24 Moths shelf life can be achieved (Variation may linked to kind of coffee/powder used)

STORAGE AND HANDLING

GPSCOMPKCUP OS22 Capsules does not require special storage conditions. A storage temperature below 30°C and Humidity below 75%, is recommended in order to minimise the deterioration of the body properties in general. Not store in contact with direct sunlight. It is strongly recommended to turn over the inventory according to the delivery date (first in –first out). The Capsules should be conditioned in the operating environment at least for 24 hours before processing.

For a continuous care in the improvement of our products and our service, this document can be object of changes By GPS Ltd without warning. The listed values are provided only as a guide

Date 01 Feb. 2024 rev10