Products Brochure

CIRCULAR PLASTICS COMPANY

PET circularity for a sustainable future

1



rPET Flakes

2



rPET Pellets

Product Code

CPC-101

rPET Flakes



Hot washed PET flakes, containing 100% post-consumer PET that can be used as input material for the production of food-grade rPET according to EU 2022/1616.

Properties	Test Method	Value	Unit
Bulk Density	Gravimetric Method	250-400	Kg/m3
Fines (<0.5 mm)	ASTM D 1921-12	≤ 1	%
Light Blue	Visual Inspection	≤ 10	%
HDPE/PP	Visual Inspection	≤ 20	ppm
Other Color	Roasting Test	≤ 50	ppm
Other contaminations	Roasting Test	≤ 50	ppm
Printed	Visual Inspection	≤ 100	ppm
PVC	Roasting Test	≤ 50	ppm
Metal	Visual Inspection	≤ 50	ppm
pH	pH Meter	7 (Neutral) ± 0.5	--
Glue	Roasting Test	≤ 1000	ppm
Moisture	Moisture Analyzer	≤ 1	%
Color L*	ASTM D 6290	≥ 50	--
Color a*	ASTM D 6290	-1 ≤ a ≤ 1	--
Color b*	ASTM D 6290	≤ 3	--

Product Code

CPC-201

rPET Pellets



CPC rPET resins comply with Commission Regulation (EU) No 10/2011, Commission Regulation (EU) 2022/1616, US FDA 21 CFR 177.1630.

Properties	Test Method	Value	Unit
Size	Weighing Method	50 ± 10	pcs/g
Bulk Density	Gravimetric Method	850 ± 50	kg/m3
Moisture	Moisture analyzer	≤ 0.3	%
Intrinsic Viscosity	ASTM D 1238	0.80 ± 0.02	dl/g
Color L*	ASTM D 6290	≥ 66	--
Color a*	ASTM D 6290	-3 ≤ a ≤ -1	--
Color b*	ASTM D 6290	≤ 1	--
Acetaldehyde	WI-QC-05-08	≤ 1	ppm
Limonene	WI-QC-05-08	≤ 20	ppb
Benzene	WI-QC-05-08	≤ 100	ppb
Black/yellow specks	Visual Inspection	≤ 1	%
Foreign Materials	Visual Inspection	≤ 100	ppm
Angel hair/Filaments	Visual Inspection	≤ 100	ppm

Product Code

CPC-202

rPET Pellets

CPC rPET resins comply with Commission Regulation (EU) No 10/2011, Commission Regulation (EU) 2022/1616, US FDA 21 CFR 177.1630.



Properties	Test Method	Value	Unit
Size	Weighing Method	50 ± 10	pcs/g
Bulk Density	Gravimetric Method	850 ± 50	kg/m3
Moisture	Moisture analyzer	≤ 0.3	%
Intrinsic Viscosity	ASTM D 1238	0.85 ± 0.03	dl/g
Color L*	ASTM D 6290	≥ 66	--
Color a*	ASTM D 6290	-3 ≤ a ≤ -1	--
Color b*	ASTM D 6290	≤ 1	--
Acetaldehyde	WI-QC-05-08	≤ 1	ppm
Limonene	WI-QC-05-08	≤ 20	ppb
Benzene	WI-QC-05-08	≤ 100	ppb
Black/yellow specks	Visual Inspection	≤ 1	%
Foreign Materials	Visual Inspection	≤ 100	ppm
Angel hair/Filaments	Visual Inspection	≤ 100	ppm

SINGAPORE

9 Raffles Place #26-01 Republic Plaza

Singapore 048619

MYANMAR

119 Min Aye Yar Road, Shwe Thanlwin Industrial Zone,

Hlaing Tharyar Township, Yangon, Myanmar

VIETNAM

Lot 55, Street Đ.04, Chau Duc Industrial Park,

Suoi Nghe Commune, Chau Duc District,

Ba Ria – Vung Tau Province, Vietnam

CONTACT

WEBSITE

CIRCULAR PLASTICS
COMPANY