

rPET 0,80

TECHNICAL DATA SHEET

GENERAL DETAILS

PHYSICAL PROPERTIES

Product Description	Food contact recycle PET pellets
Produced In	Ribeirão – Portugal
Origin	Post-Consumer PET packages
Technology	EREMA, vacuum-assisted solid state polycondensation (SSP), melt filtration 50 microns
EFSA Positive Opinion	Adopted on March 24, 2022 (question number: EFSA-Q-2020-00657)
EU Register number for the recycling process	RECY234
Packing	Big Bag's
Test Range	11 ton

SPECIFICATIONS

PROPERTIES	METHOD/EQUIPMENT	UNITS	SPECIFICATIONS
Intrinsic Viscosity (IV)	Extrapolated from MFR – ISO 1133-2 DYNISCO LMI 5000	dL/g	0,78 – 0,82
Weight of 100 pellet	Internal based on EN 15348-2024	g	1,9 – 2,3
Size of 1 pellet	Internal based on EN 15348-2024	mm	≤ 4,0
Bulk Density	Volumetric measure based on ASTM D 1895-17	Kg/m ³	800 – 900
Fines (<2mm)	Sieving based on EN 15348-2024	%	< 0,08
Moisture	Internal based on EN 15348-2024	%	≤ 0,25
Crystallinity	Internal based on ASTM D 792 - 13 Electronic densimeter MSDS 300	%	40 – 50
Foreign Materials (metal, others)	Visual Inspection	-	Absence
Clusters	Visual Inspection	Unit / 10 Kg	5 max pellets
Yellow Pellets	Visual Inspection	Unit / 10 Kg	5 for every 5 Kg
Filaments, Angel Hair	Visual Inspection 1Kg ≤ 5 cm	ppm	< 100
	Visual Inspection 1Kg > 5 cm	ppm	Absence
Color	EN ISO/CIE 11664-4 Konica Minolta CR5, CIE (L.A.B.), D65	-	L* > 66
		-	a* [-8, -2]
		-	b* [-6, 0]
Plaque Test	ASTM D 5814-10	-	(OK / NOK)
Haziness	ASTM D 1003 – 00 Haze-gard i (BYK)	%	≤ 27
Melting Point	EN ISO 11357-3	°C	235-255
Acetaldehyde	Agilent GC8890-MSD5977B-HSS7697A	ppm	< 1
Benzene	Agilent GC8890-MSD5977B-HSS7697A	ppb	< 200
BPA *	High Resolution HPLC	ppm	< 5

To our best knowledge, the data and results mentioned in this document are provided with general information to our customers, based on an appropriate number of individual measurements. The end use of any material is the sole responsibility of the user.

*BPA - test made in external laboratory by direct measurement on resin