

## Technical Data Sheet: TG rPET

### Product Description:

PET regranulates are made out PET Flakes manufactured from post consumer PET bottles with a non-food content of less than 5%. Polyethylene terephthalate (PET) is a linear thermoplastic resin that is created by the polycondensation of terephthalic acid and ethylene glycol. PET is a semi-crystalline plastic featuring high strength and flexibility, excellent machining properties, which ensures a wide range of applications.



Specification		Values	Unit	Test method
Color		transparent	-	-
Color value	L	65 to 73		Color test
	a	-3 to -1		Color test
	b	1 to 4		Color test
Intrinsic viscosity (IV)		0,75 to 0,78	dl/g	IV test
<b>Mechanical characteristics</b>				
Granules geometry		spherical shape	-	-
Number of granules per gram		40-60	pcs/g	Laboratory balance
Bulk Density		> 900	kg/m <sup>3</sup>	Bulk density test
Filter size		40	µm	-
<b>Physical/chemical characteristics</b>				
Moisture content		< 0.1	%	Moisture test
Melting Point		240-270	°C	-
<b>Purity values</b>				
Acetaldehyde		> 0,1	ppm	GC test
Benzene		> 0,2	ppm	GC test
Limonene		> 0,02	ppm	GC test

### Packaging

Big Bags: 90x90x135 stored on wooden pallets.

### Storage conditions

No exposure to direct sunlight. Keep away from heat, humidity and bad weather. Storage temperature max 25 °C.

### Comments:

*These values are average values and can range within the given limits. All our products are suitable for further processing. More information or specific offers are available on request.*