

GSR Rpet

TECHNICAL DATA SHEET

Valid from:	31.05.2023	Revision:	0.0
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Material specification	
Chemical substance	Polyethylene terephthalate (PET)
Color	Clear
Form	Pellets

Physical/chemical properties			
Parameter	Value	Unit	Test Method
Intrinsic Viscosity	>0,78	dL/g	ASTM D4603
Acetaldehyde	<1,0	ppm	ASTM F2013
Color L*	>65		ASTM D6290
Color a*	-6 - 0		ASTM D6290
Color b*	-3 - 3		ASTM D6290
Melting Point	~250	°C	ASTM D3418
Bulk Density	0,85 ± 0,05	g/cm ³	ASTM D1895
Moisture Content	<0,5	%	ASTM 6980
PET Dust Content	<0,02	%	
Chip Size	2,8 ± 0,2	g/100 chips	Weight Scale
Crystallinity	>30	%	ASTM D3418

Notes
At least 95% of the input raw material comes from used PET beverage bottles

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