

# Technical Data Sheet

Origin of material:	100% Ocean bound material
Product, Colour:	Crystal clear
Material form:	Pellets ~ 4mm
Applications:	Injection Moulding, Bottle Grade, Film, Filmament Yarn & Fiber application
Product Code:	G1.00.65PET.NC.XX00.TH

## rPET clear (FDA)

regranulated polyethyleneterephthalate from Ocean bound waste (crystallized)

Physikalische / Mechanische Eigenschaften Physical / Mechanical Properties		measured at 23°C / 50%rh	
Eigenschaft / Property	Prüfung / Test method	Wert / Value	Einheit / Unit
Intrinsische Viskosität Intrinsic viscosity (IV)	DIN EN ISO 1628/5	0.70 ± 0.02	dl/g
Dichte Density	DIN EN ISO 1183-1	1.37 ± 0.01	g/cm <sup>3</sup>
Aschengehalt Ash Content	DIN EN ISO 3451-1	< 0.05	%
Feuchtegehalt Bulk Moisture	DIN EN ISO 62 - D	<0.25	%
Schlagzähigkeit Impact strength	DIN ISO 179 / 1eU (Charpy / 7.5J)	97	kJ/m <sup>2</sup>
Kerbschlagzähigkeit Notched impact strength	DIN ISO 179 / 1eA (Charpy / 7.5J)	4.4	kJ/m <sup>2</sup>
Zugmodul Tensile modulus	DIN EN ISO 527-1/2 (50mm/min)	2150	MPa
Biegemodul Flexural modulus	DIN EN ISO 178-3	2600	MPa
Streckspannung Tensile Stress at Yield	DIN EN ISO 527-1/2 (50mm/min)	54	MPa
Streckdehnung Tensile Strain at Yield	DIN EN ISO 527-1/2 (50mm/min)	3.2	%
Colour Values CIE L*a*b Amorphous Chips	L* b*	>70 0 ± 2	Amorphous Chips
Chips/gm (Balance)	Weighment Method -EB- WI/QC/FGQC/04	60 - 70	nos/gm

US FDA LNO (PNC 2411)

Indonesia FDA (BPOM Regulation No 20 in 2019 about Food Packaging)

FDA- Regulation 21 CFR § 177.1630 [section (f) & (g)] in the current valid version/s

European Union (EU) EC10/2011 (including the latest amendments of 2019)

EU REACH Regulation (EC) No 1907/2006 Article 33 (1) for SVHCs (223) as per 25th SVHC in the Candidate List (2021.07)

ROHS DIRECTIVE (2011/65/EU): Restriction of use of certain hazardous substances in Electrical and Electronic Equipment

ROHS DIRECTIVE (2011/65/EU) and amendment commission delegated directive EU 2015/863 with effective from 22 July 2019:

Phthalate Content

CONEG Legislation in the USA as well as EN712015/863/EU (Heavy Metals)

GRS certified

Please note: The recommendations for the use of our products are based on tests believed to be reliable. However, we do not guarantee the results to be obtained by others under different conditions.

Although such information is, to the best of our knowledge and internal measurements, accurate and reliable as of the date hereof, no guarantee is made as to the suitability, accuracy, reliability and completeness of such information. It is the user's responsibility to satisfy itself as to the suitability, accuracy, reliability and completeness of such information for its particular use. These are only approximate values.

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