

Technical Data Sheet

Origin of material:	100% Ocean bound material
Product, Colour:	Natural
Material form:	Drops ~ 4mm
Applications:	Extrusion and Blow Molding
Product Code:	G2.00.30HDPE.NC.XX00.TH

rHDPE Natural (FDA)

regranulated polyethylene from Ocean bound waste

Physikalische / Mechanische Eigenschaften Physical / Mechanical Properties

measured at 23°C / 50%rh

Eigenschaft / Property	Prüfung / Test method	Wert Value	Einheit Unit
Schmelzflussrate Melt Flow Rate (MFR)	DIN EN ISO 1133 (190°C / 2.16 kg)	0.3 ± 0.05	g/10min
Dichte Density	DIN EN ISO 1183-1	0.95 ± 0.05	g/cm ³
Aschengehalt Ash Content	DIN EN ISO 3451-1	< 1	g/cm ³
Feuchtegehalt Bulk Moisture	DIN EN ISO 62 - D	< 1	%
Schlagzähigkeit Impact strength	DIN ISO 179 / 1eU (Charpy / 7.5J)	>220	kJ/m ²
Kerbschlagzähigkeit Notched impact strength	DIN ISO 179 / 1eA (Charpy / 7.5J)	35.32	kJ/m ²
Zugmodul Tensile modulus	DIN EN ISO 527-1/2 (50mm/min)	1050	MPa
Biegemodul Flexural modulus	DIN EN ISO 527-1/2 (50mm/min)	942	MPa
Streckspannung Tensile Stress at Yield	DIN EN ISO 527-1/2 (50mm/min)	26 ± 5	MPa
Streckdehnung Tensile Strain at Yield	DIN EN ISO 527-1/2 (50mm/min)	8.7	%

LNO received from US FDA (PNC 2683).

EU REACH Regulation (EC) No 197/2006 Article 33 (1) (SVHCs).

RoHS Annex II of 2011/65/EU and amendment (EU) 2015/863 (Heavy Metals).

EN71-3:2019

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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