

Technical Data Sheet

Origin of material:	100% Ocean bound material
Product, Colour:	Nature
Material form:	G1/Pellets G2/Drops ~ 4mm
Applications:	Injection Moulding
Product Code:	G1.15.00PP.NC.GF20.TH G2.15.00PP.NC.GF20.TH

rPP Natural + GF20

regranulated polypropylene from Ocean bound waste

Physikalische / Mechanische Eigenschaften Physical / Mechanical Properties			
Eigenschaft / Property	Prüfung / Test method	Wert Value	Einheit Unit
Schmelzflussrate Melt Flow Rate (MFR)	DIN EN ISO 1133 (230°C / 2.16 kg)	15 ± 4	g/10min
Dichte Density	DIN EN ISO 1183-1	1.04	g/cm ³
Aschengehalt Ash Content	DIN EN ISO 3451-1	20 ± 3	%
Feuchtegehalt Bulk Moisture	DIN EN ISO 62 - D	< 1	%
Schlagzähigkeit Impact strength	DIN ISO 179 / 1eU (Charpy / 7.5J)	44	kJ/m ²
Kerbschlagzähigkeit Notched impact strength	DIN ISO 179 / 1eA (Charpy / 7.5J)	9.7	kJ/m ²
Zugmodul Tensile modulus	DIN EN ISO 527-1/2 (1mm/min)	4405	MPa
Biegemodul Flexural modulus	DIN EN ISO 178-3 (2mm/min)	3771	MPa
Streckspannung Tensile Stress at Yield	DIN EN ISO 527-1/2 (5mm/min)	62.1	MPa
Streckdehnung Tensile Strain at Yield	DIN EN ISO 527-1/2 (5mm/min)	3.4	%

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.