



## Data sheet

**Article: Polyolefin-Regranulat (postconsumer quota > 99%)**

Properties	Unit	Value	Method of testing
<b>Composition of Polymers</b>			
PE-share	[%]	> 95	DSC-Measurement
HD-PE-share	[%]	15 - 20	DSC-Measurement
LD-PE-share	[%]	75 - 85	DSC-Measurement
PP-share	[%]	< 5	DSC-Measurement
PVC-share	[%]	0	DSC-Measurement
<b>Characteristical features of the melting process</b>			
Melt-flow-index (190°C / 2,16 kg)	[g/10min]	0,3 - 1,0	DIN EN ISO 1133
Melt-flow-index (190°C / 5,0 kg)	[g/10min]	2,0 - 2,9	DIN EN ISO 1133
<b>Product features</b>			
Kind of delivery	homogenous granulate packed in big bag's and siloloading		
Colours	grey or black		
Registry-number REACH	05-2115142447-48-0000 / 05-2115142984-40-0000		
Density	[g/cm <sup>3</sup> ]	0,93 - 0,94	DIN EN ISO 1183-3
Bulk density	[g/l]	550 - 600	PA 10.008
Filtration	[µm]	250	other filtrations are possible
Residual moisture	[%]	< 0,2	aquatrac Fa. Bebender
<b>insert field</b>	Production of reeds and foils > 50 µm		
Production of foils past advance conferee with the supplier			
<b>Mechanical Properties</b>			
Toughness Shore D		45 - 55	DIN 53505
Modulus of elasticity	[N/mm <sup>2</sup> ]	220 - 260	DIN EN ISO 527-1
Resistance to extension	[N/mm <sup>2</sup> ]	16 - 18	DIN EN ISO 527-1
Elongation at tear	[%]	100 - 120	DIN EN ISO 527-1
Impact resistance (charpy)	[kJ/m <sup>2</sup> ]	in each case without break	ISO 179/1eU
Impact resistance (notched)			
<b>Thermal Properties</b>			
Vicat softening temperature B/50	[°C]	41 - 44	DIN ISO 306 B/50

The information contained in this data sheet is based on our current level of technical knowledge and experience and is only intended as a general guideline. A legally binding assurance of certain properties or suitability for a specific application can not be derived therefrom. Due to the abundance of possible influences during the use and application of our products, this information does not relieve the user from the responsibility of carrying out its own tests and experiments. Possible patent rights and existing laws and regulations must be observed by the user as its own responsibility. We reserve the right to make changes.

The process is certified according to EuCertPlast.

