



## Data sheet

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

<b>raw material LDPE:</b> contains LLDPE, MDPE, HDPE, PP			
<b>source:</b> post-consumer packaging			
<b>Properties</b>			
	<b>Unit</b>	<b>Value</b>	<b>Method of testing</b>
<b>Characteristical features of the melting process</b>			
Melt-flow-index (190°C / 2,16 kg)	[g/10min]	0,7 - 1,0	DIN EN ISO 1133
Melt-flow-index (190°C / 5,0 kg)	[g/10min]	2,5 - 3,2	DIN EN ISO 1133
<b>Product features</b>			
Kind of delivery	homogenous granulate packed in big bag's and silo loading		
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]	180	other filtrations are possible
Residual moisture	[%]	< 0,2	aquatrac Fa. Bebender
<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

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The process is certified according to EuCertPlast.

