

TECHNICAL DATA SHEET

rLDPE Plastigram

Company profile:	Plastigram Industries a.s. has developed a technology for recycling the remains of used beverage cartons after paper recycling. The process allows for recovery of plastics (LDPE regranulate and HDPE regrind) and aluminum (powder).
Process description:	Dry cleaning, chemical separation of LDPE and Aluminium, regranulation with melt filtration.
Location:	Sokolov, Czech Republic
Volume:	approx. 4000-6000 MT/yr
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Primary information	Unit of Measurement & Method	Indicative Value
Material Name		rLDPE granules
Granule Diameter	mm	4
Filter size in extrusion	µm	110
Density	g/cm ³ ISO 1183	0,93
Source of feedstock	Origin description	Recycled Carton Packages from paper mill in Germany
Material composition	%	rLDPE with traces of PP, PET, PA6
Inorganic content (TAG)	%	0,6
Smell/odour	Score (0 – no odour to 3 – strong odour)	1* *Measured at 190 °C
MFI (190 C; 2,16kg)	g/10mins ISO 1133	5,5
Impact strength	kJ/m ² , Izod notched at 23 °C ISO 180 A	48
Tensile strength	MPa ISO 527-3	8
Elongation at break	% ISO 527-3	80
Flexular modulus	MPa ISO 178	170
Recommended Processing Temperature	°C	< 190