

TECHNICAL DATA SHEET

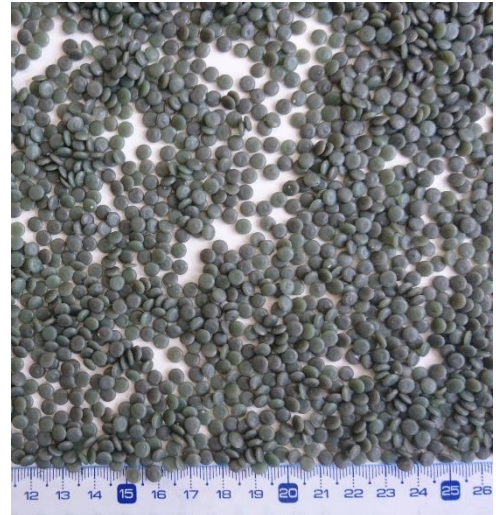
LDPE regranulate

Origin: LDPE layers of used beverage cartons (e.g. Tetra Pak, Elopak, SIG Combibloc).
 The input material is a reject from recycling paper from used beverage cartons.
 The recycling process includes dry cleaning, sorting of caps from foils, separation of LDPE and aluminium and regranulation with melt filtration.

Location: Sokolov, Czech Republic

Volume: approx. 4000-6000 tons / year

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Primary information	Indicative Value	Method of measurement
Granule diameter	4 mm	
Filter size in extrusion	230 µm	
Material composition	rLDPE with traces of PP, PET, PA6	
MFI	4.5-6.0 g/10mins	ISO 1133 (190 °C; 2,16kg)
Non-combustible residue	1.0-3.0 %	ISO 3451
Density	0.93 g/cm3	ISO 1183
Smell/odour	1	Score (0 – no odour to 3 – strong odour) measured at 190°C
Tensile strength	8 MPa	ISO 527-3
Elongation at break	80 %	ISO 527-3
Flexular modulus	170 MPa	ISO 178
Impact strength	48 kJ/m2	ISO 180 A, Izod notched at 23 °C
Recommended processing temperature	< 190 °C	