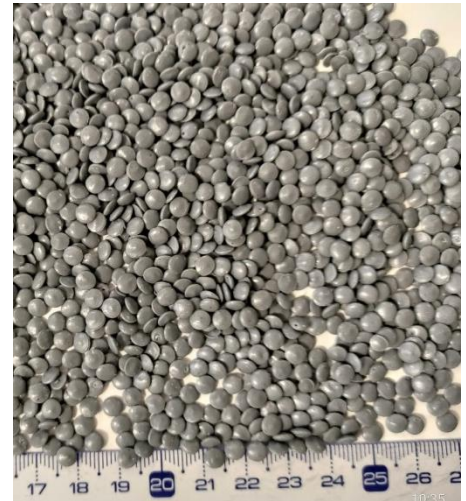


# TECHNICAL DATA SHEET

## Regranulate from caps

- 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 regranulate from caps) and aluminum (powder).
- Process description:** Dry cleaning, sorting of caps from foils, wet cleaning of caps, regranulation with melt filtration.
- Location:** Sokolov, Czech Republic
- Volume:** approx. 1500-2000 MT/yr
- Contact** Luděk Lamich, lamich@plastigram.eu  
Iren Matuška, matuska@plastigram.eu



Primary information	Indicative Value	Method of measurement
Granule diameter	4 mm	
Filter size in extrusion	230 µm	
Material composition	45% HDPE, 35% LDPE, 15-20% PP	
Inorganic content	1.1 %	ISO 11358-1
Density	0.95 g/cm <sup>3</sup>	ISO 1183
Smell/odour	0	Score (0 – no odour to 3 – strong odour)
MFI	7,5 g/10mins	ISO 1133 (190 °C; 2,16kg)
Tensile modulus	720 MPa	ISO 527-2
Tensile strength	17.8 MPa	ISO 527-2
Elongation at yield	7.9 %	ISO 527-2
Elongation at break	8.2 %	ISO 527-2
Flexular modulus	680 MPa	ISO 178
Impact strength	3.4 kJ/m <sup>2</sup>	ISO 798-1 Charpy notched
Shore D hardness	57.5	ISO 868 after 15 s