

Technical Data Sheet

PE re-granulate WHITE – injection moulding grade

Material properties

Parametr	Test method	Value
Melt flow index (190°C/2,16 kg)	ISO 1133	10g ± 0,5
Density (23 °C)	ISO 1183	0.943 g/cm ³ ± 0.0001
Tensile Modulus	ISO 527-2	482 MPa ± 13
Yield Stress	ISO 527-2	15.1 MPa ± 0.1
Elongation at Yield	ISO 527-2	11.6 % ± 0.1
Elongation at Break	ISO 527-2	67.5 % ± 8.8
Moisture Content	ISO 15512 (K. F.)	≤ 0.001 %
Ash content (inorganic residue)	ISO 11358	1.34 %
CaCO ₃ content	ISO 11358	0.43 %
Material composition by DSC		HDPE 60%, LDPE 40%
Heavy Metals Content by XR		Pb – pod meze detekce Cr - pod meze detekce Hg - pod meze detekce Cd - 6,0 ppm Br - pod meze detekce

Typical granule size range: 3-6 mm

The PE white regranulate (injection moulding grade) is supplied in big bags weighing 3 kg. Big bags are placed on pallets. The recommended storage temperature range is -20 °C to +50 °C. The distance from any heat source must be at least 1 m. The big bags are equipped with waterproof covers that protect both the packaging and the material inside from rain and moisture.



Water absorption and moisture uptake are very low (0.2%). Water sorption occurs only on the surface of the material, allowing use in environments with variable relative humidity without dimensional changes or alterations in mechanical properties. During processing, difficulties may arise due to moisture condensed when transferring material from a colder to a warmer environment.

For storage temperatures below 20 °C, it is recommended to condition the material for at least 24 hours before processing in the production hall.

The data presented in the table represent indicative ranges of individual parameters. These data are intended to assist processors in selecting appropriate applications. Manufacturers cannot assume that virgin polymers can be completely replaced with recyclates in all applications it always depends on the specific use.

The supplied product does not meet the criteria for classification as hazardous according to Regulation (EC) No 1272/2008 (CLP) nor any of the other conditions stated in Article 31 of Regulation (EC) No 1907/2006 (REACH), and therefore is not subject to the obligation to provide a safety data sheet.