SACMI Imola S.C.	**TECHNICAL DATA SHEET***	2025/10/15

Product Information

- **Product Name:** R-HDPE White Pellets
- **Status:** Commercial Active
- **Availability:** Europe
- **Market:** Thermoplastic Material. Not allowed for food contact or pharmaceutical applications
- **Attributes:** White Pellets. Good Organoleptic Properties; Good Toughness; High Density.
- **Description:** Recycled-HDPE pellets from post-consumer Beverage Polyolefins Waste.
- **Applications:** This grade is not intended for medical and pharmaceutical applications
- **Origin of Material:** 100% post-consumer PET packaging of European Origin. The polyolefins flakes are by-products of PET recycling stream. They are selected by chemical nature and color. Then, they are decontaminated and pelletized

Technical Properties

PHYSICAL PARAMETER	MEASURE UNIT	VALUE**	NORMATIVE
MELT FLOW RATE (2,16 KG / 190°C)	g/10 min	2.0-3.0	EN ISO 1133
BULK DENSITY	Kg/m^3	565	UNI EN 1097-3 // UNI EN ISO 1183
MOISTURE CONTENT	%	≤ 1,0	EN ISO 15512
HDPE CONTENT	%	≥ 95	Flake Analyzer
LDPE CONTAMINATION CONTENT	%	≤0,5	UNI 10667-7-8-9 Ann. C
OTHER PLASTIC CONTAMINATION CONTENT	%	≤1	UNI EN 1097-3
FILTRATION LEVEL	µm	200	EN 15344:2022
DENSITY AT 23°C	g/cm^3	Class 4 (0.946<->0.960)	ASTM D 1505 / ISO 1133

Additional Information

- **Process Conditions:** The material is processed on conventional HDPE equipment. Recommended melt temperatures: 195 - 250°C. Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.
- **Packaging and Transport:** Material available in big bags of ~ 1000 kg weight
- **Storage:** Prevent direct heat and sunlight exposure to avoid quality deterioration. Store in cool and dry place, dust free and storage temperature should not exceed 50°C. Not-compliance with these precautionary measures could lead to product degradation causing loss of color and properties.

- **Conveying:** Conveying equipment should be designed to prevent production and accumulation of fines and dust particles that are contained in polymer resins. These particles can under certain conditions pose an explosion hazard. We recommend the conveying system used is equipped with adequate filters, operated and maintained so that no leak develops and adequate grounding always exists.
- **Health and Safety:** For specific information on regulatory compliance contact your local representative. Workers should be protected from the possibility of skin or eye contact with molten polymer. Safety glasses are suggested as a minimal precaution to prevent mechanical or thermal injury to the eyes. Molten polymer may be degraded if it is exposed to and during any of the processing and off-line operations. The products of degradation have an unpleasant odor. In higher concentrations they may cause irritation of the mucus membranes. Fabrication areas should be ventilated to carry away fumes or vapors. Legislation on the control of emissions and pollution prevention must be observed. If the principles of sound manufacturing practice are adhered to and the place of work is well ventilated, no health hazards are involved in processing the resin. The resin will burn when supplied with excess beat and oxygen. It should be handled and stored away from contact with direct flames and/or ignition sources. In burning the resin contributes high beat and may generate dense black smoke. Starting fires can be extinguished by water, developed fires should be extinguished by heavy foam forming an aqueous or polymeric film..
- **Supplier Offices and Production site:** Sacmi Imola
- **Image of the product:**