



## PRODUCT DESCRIPTION

HIPS Regranualte is a high-impact polystyrene (HIPS) with properties suitable for further processing. It is a thermoplastic material intended for processing by extrusion and thermoforming methods. The product is supplied in the form of cut strands / pellets with a diameter of 2-4mm.

The product may contain small amounts of pellets with irregular shapes and dimensions smaller than those specified above. The presence of any mechanical contaminants is not permitted.

HIPS Regranulate available in black and light grey.

## TECHNICAL PROPERTIES AND PROCESSING PARAMETERS:

Parameter	Unit of Measure	Typical value	Test Method	Remarks
MFR*	[g/10min]	5	ISO 1133	230°C/2,16kg
Density	[g/cm <sup>3</sup> ]	1,05	ISO 1133	-
Notched Izod impact strength	[kJ/m <sup>2</sup> ]	6,3	ISO 178	23°C

Parameter	Unit of Measure	Typical value	Test Method	Remarks
Flammability	Fire rating	HB	UL 94	1,6 3,2
Processing shrinkage	%	0,2-0,5	Own	-

Processing Parameter	Unit of Measure	Typical value	Test Method	Remarks
Temperature and drying time	°C/h	45 /1-2	-	Hot-air dryer
	°C/h	60/1-2	-	Molecular sieve desiccant dryer
Temperature for Injection Moulding	°C	180 - 270	-	-
Temprature of form	°C	20-60	-	-
Temperature for Extrusion	°C	200-240	-	-



## APPLICATION

Manufacturing by sheet and plate extrusion, which are typically processed into non food industry and dairy products. In addition, the product is used for the production of technical, consumer, and industrial articles.

The composition of the material meets the requirements for materials that **can't** be used to produce items intended for contact with food.

## PACKAGING

The product is supplied in big-bags containing  $25 \pm 0.2$  kg (net) of product, which are stacked on pallets weighing about 1000 kg (net).

The following information is marked on the packaging: manufacturer's name, product name, grade number, color code, serial numer and weight.

## TRANSPORT

Covered rail and road transport means are used for transporting the product. The manufacturer is not responsible for the cleanliness of the client's own packaging. Applicable regulations for road and rail transport apply when transporting the product.

According to ADR, RID, ANDR, IMDG, ICAO, IATA, and UN regulations, the product is not classified as hazardous for transport. The product must not be transported together with organic solvents.

## STORAGE

The product should be stored in transport packaging or in bulk in closed containers (silos). It is recommended to store the product in dry, well-ventilated rooms, where it is protected from direct exposure to weather conditions.

The product stored in big-bags on pallets must not be stored outdoors. Outdoor storage does affect the quality of the stored material and the cleanliness of the outer surface of the packaging; therefore, outdoor storage is not recommended by the manufacturer.

The product must not be stored together with organic solvents.