



#### PRODUCT DESCRIPTION

ABS with properties suitable for further processing. It is a thermoplastic material intended for injection molding. The product is supplied in the form of cut strands / pellets with a diameter of 2–4 mm.

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 acceptable.

Reganulate of ABS prepared by Wehnua GmbH is sourced from the recycling of waste electrical and electronic equipment (WEEE). The company holds the necessary permits to recover materials for further processing.

ABS regranulate is available in black.

#### TECHNICAL PROPERTIES AND PROCESSING PARAMETERS:

Parameter	Unit of Measure	Typical value	Test Method	Remarks
MFR*	[g/10min]	8,8	ISO 1133	230°C/2,16kg
Density	[g/cm³]	1,07	ISO 1133	-
Notched Izod impact strength	[kJ/m²]	10,7	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	80-90 / 2-4	-	Hot-air dryer
	°C/h	70-80/ 2-4	-	Molecular sieve desiccant dryer
Temperature for Injection Moulding	°C	220-250	-	-
Temprature of form	°C	50-80	-	-



## APPLICATION

The ABS material is well suited for medium- and thin-walled parts typical for injection molding. It is suitable for molding both small and medium-sized components of moderate complexity. The above parameters provide a good balance between stiffness and impact resistance. The material is appropriate for parts requiring mechanical strength and crack resistance, such as external components or housings, e.g., phones, tablets, remote controls, keyboards, vacuum cleaner and coffee machine housings, decorative interior panels, air vents, handles, and covers. It is an ideal material for products requiring a smooth surface, scratch resistance, and partial chemical resistance (diluted detergents, water).

## PACKAGING

The product is supplied in big-bags, 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

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 be stored indoors. 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.

