

## TECHNICAL DATA SHEET

SPECIFICATIONS : RE-GPPS - low impact polystyrene granulate, colour: straw .

Polish manufacturer

Chemical and physical data:

Characteristic	Test Method	Units	Values
Colour and form			straw, pellets
Density	ISO 1183	g/cm <sup>3</sup>	1.01 - 1.05
Mass flow rate	ISO 1133 (200 °C, 5 kg)	g/10 min	more than 14
Softening temperature by Vicat	PN-93/C-89024 (ISO 306) (50 N, 50°C/h)	°C	min 85
Notched impact strength by Charpy	PN-81/C-89029 (ISO 179)	kJ/m <sup>2</sup>	min 2-3
Tensile stress at breakage (5 mm/min)	PN-EN ISO 527	MPa	min 33.0
Elongation at breakage (5 mm/min)	PN-EN ISO 527	%	min 6.0
Ash content	BS2782 Pt.4 Method 454 A	%	< 2.5
Injection filtration			2 x 250 µm packet

Application: RE-GPPS is used as a raw material to produce: packaging for food and drinks, disposable dishes, electrotechnical and electronic products, toys. May be used in automotive industry, furniture production, construction industry and for insulation.

Packing: big bags.

Quantity: 20-22 net tons for the car.

Measurements were performed on representative samples. The recipient is obliged to assess the degree of usefulness of the granular in production.