

## TECHNICAL DATA SHEET

### ROCALEN rPE 155

**Product name:** ROCALEN rPE 155 is a recycled material based on low-density polyethylene (LDPE) obtained from the recycling post-consumer waste.

**Field of use:** Foil, packaging or other products of general use processed by blow molding.

#### Technical quality conditions:

PROPERTIES	UM	ADMITTED LIMITS	ANALYSIS METHOD
Appearance	-	Compact granules	Visual
Color	L*,a*,b*	Natural	ASTM E 308
<b>Physical</b>			
Melt flow index (190°C/ 2.16 kg)	g/10'	0.7 – 1.8	ASTM D 1238
Nominal density (23°C)	g/cm <sup>3</sup>	0.90 – 0.93	ASTM D 792
<b>Impact</b>			
Izod impact strength-Notched (23°C)	kJ/m <sup>2</sup>	min. 30	ASTM D 256
<b>Mechanical (23°C)</b>			
Tensile modulus	MPa	min. 150	ASTM D 638
Tensile strength at break	MPa	min. 13	ASTM D 638
Tensile elongation at break	%	min. 55	ASTM D 638
Flexural modulus	MPa	min. 170	ASTM D 790
Flexural strength	MPa	min. 10	ASTM D 790
<b>Thermal</b>			
Heat deflection temperature, HDT, Method A (1,8 MPa)	°C	min. 30	ASTM D 648

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**Packing:** In a big bag of 1.100 kg.

**Storage:** The product is stored in covered, ventilated, clean, dry places away from sunlight or sources of heat and humidity.

**Environmental requirements:** The product is the result of recovery process of materials intended to save the resources, minimizing noxious emissions into air, water and soil as well as negative effects on human health. In normal conditions, the processes of injection and/or extrusion does not affect the environment, health and human security. Technological waste results can be recycled at their turn.

#### **Additional Information:**

It is recommended to dry the material before processing:

Drying temperature: 65-85°C;

Drying time: approximate 1-2 h;

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#### **Note:**

All the information contained in this technical sheet is based on typical values, intended for reference and comparison purposes. We do not assume any responsibility or liability regarding the use of the product for other types of application compared to those mentioned in this technical sheet. It is the customer's responsibility to check and test the product to ensure compatibility with their application.

We do not recommend our products for applications that come into direct contact with food, medical applications or toys.