

## TECHNICAL DATA SHEET

### ROCAPLEN rPP 46

**Product name:** ROCAPLEN rPP 46 is a recycled material based on polypropylene obtained from the recycling post-consumer waste.

**Field of use:** Products for general use, processed by injection.

#### Technical quality conditions:

PROPERTIES	UM	ADMITTED LIMITS	ANALYSIS METHOD
Appearance	-	Compact granules	Visual
Color	L*,a*,b*	Black	ASTM E 308
<b>Physical</b>			
Melt flow index (230°C/ 2.16 kg)	g/10'	4 – 8	ASTM D 1238
Nominal density (23°C)	g/cm <sup>3</sup>	0.95 – 1.05	ASTM D 792
<b>Impact</b>			
Izod impact strength-Notched (23°C)	kJ/m <sup>2</sup>	min. 5	ASTM D 256
<b>Mechanical (23°C)</b>			
Tensile modulus	MPa	min. 1300	ASTM D 638
Tensile strength at break	MPa	min. 20	ASTM D 638
Tensile elongation at break	%	min. 7	ASTM D 638
Flexural modulus	MPa	min. 1200	ASTM D 790
Flexural strength	MPa	min. 30	ASTM D 790
<b>Thermal</b>			
Heat deflection temperature, HDT, Method A (1,8 MPa)	°C	min. 55	ASTM D 648

## TECHNICAL DATA SHEET

### ROCAPLEN rPP 46

**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: 80-90°C;

Drying time: approximate 2 h;

Injection temperature: 180-230°C, depending on the equipment used.

---

#### **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.