

TECHNICAL DATA SHEET

ROCADUR rABS 89

Product name: ROCADUR rABS 89 is acrylonitrile butadiene styrene obtained after recycling of 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 |
| Physical | | | |
| Melt flow index (220°C/ 10 kg) | g/10' | 18 - 31 | ASTM D 1238 |
| Nominal density (23°C) | g/cm ³ | 1.02 – 1.05 | ASTM D 792 |
| Impact | | | |
| Izod impact strength-Notched (23°C) | kJ/m ² | min. 7 | ASTM D 256 |
| Mechanical (23°C) | | | |
| Tensile modulus | MPa | min. 2170 | ASTM D 638 |
| Tensile strength at break | MPa | min. 30 | ASTM D 638 |
| Tensile elongation at break | % | min. 3 | ASTM D 638 |
| Flexural modulus | MPa | min. 2300 | ASTM D 790 |
| Flexural strength | MPa | min. 50 | ASTM D 790 |
| Thermal | | | |
| Heat deflection temperature, HDT, Method A (1,8 MPa) | °C | min. 75 | 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: 70-80°C;

Drying time: approximate 2-3 h;

Injection temperature: 190-240°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.