

## Product Data Sheet - preliminary

Rev. 09.04.2018 Ed. 2

# RSH PP 1056 GF 30 EXP 233

Polypropylene Compound

Black

### Description

*RSH PP 1056 GF 30 EXP 233* is a glass fiber filled Polypropylene compound with good flowability and very high stiffness, based on recycled post industrial waste from the plastics- and petrochemical industry. Typical process applications include injection moulding. This product is available in pellets.

### Status

Commercial: active

### Applications

*RSH PP 1056 GF 30 EXP 233* demonstrated applications include:

- Automotive (e.g. structural components)
- Construction (e.g. structural components)

### Reinforcements/Additives

*RSH PP 1056 GF 30 EXP 233* contains 30% glass fiber, carbon black and processing stabilizers.

### Special Features

*RSH PP 1056 GF 30 EXP 233* is optimised to deliver:

- good flowability
- very high stiffness
- good impact strength

Typical Properties	Test Condition	Typical Value	Test Method
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#### Physical Properties

Density	23°C	1140 kg/m <sup>3</sup>	ISO 1183
Melt Flow Rate (MFR)	230°C/2,16 kg	10,0 g/10min	ISO 1133
Melt Volume Rate (MVR)	230°C/2,16 kg	10,5 cm <sup>3</sup> /10min	ISO 1133
Ash Content	625°C, to constant mass	30 %	ISO 3451

#### Mechanical Properties

Tensile Modulus	1mm/min	5500 MPa	ISO 527
Yield stress	50mm/min	63 MPa	ISO 527
Notched Impact Strength (Charpy)	23°C	9 kJ/m <sup>2</sup>	ISO 179/1eA
Impact Strength (Charpy)	23°C	40 kJ/m <sup>2</sup>	ISO 179/1eU

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### Storage

The products should be stored in a dry and clean environment to prevent contamination and should not be exposed to direct sunlight, temperatures above 40°C and high atmospheric humidity as this may lead to quality deterioration. These materials have a shelf life of at least 3 (three) years after date of production, provided the material remains in its original unopened packaging and is stored under the storage conditions as described in this document. "Shelf life" means that there will not be any substantial difference compared to the agreed specification. The date of batch creation can be derived from the batch code printed on the packaging.

### Related Documents

The following related documents are available on request, and represent various aspects on the usability, safety, recovery and disposal of the product.

"Safety data sheet" / "Product safety information sheet" Statement on chemicals, regulations and standards.

### Processing Techniques

Users should determine the conditions necessary to obtain optimum product properties and suitability of the product for the intended application.

### Disclaimer

The product(s) mentioned herein are not intended to be used for food contact, medical, pharmaceutical or healthcare applications and we do not support their use for such applications. The information submitted is based on our current experience and knowledge. These data do not release processors from the responsibility of carrying out own tests, neither do they imply any legally binding assurance of certain properties or of the suitability for specific purposes. Please note that, under certain conditions, the properties can be affected to a considerable extent by the design of the mould, the processing conditions and/or colouring.

### Company Information

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