



## Hostacom M2 R18 NAT

### Compounded Polyolefin

#### Product Description

Hostacom M2 R18 NAT is a mineral filled PP homopolymer, with medium melt flow rate.

*This grade is not intended for medical, pharmaceutical, food and drinking water applications.*

#### Product Characteristics

|                               |                        |     |
|-------------------------------|------------------------|-----|
| Status                        | Commercial             |     |
| Availability                  | Europe                 | (1) |
| Processing Method             | Injection molding      |     |
| Features                      | Medium melt flow rate. |     |
| Typical Customer Applications | Used for appliances.   |     |

| Typical Properties                        | Method        | Value | Unit                    |
|-------------------------------------------|---------------|-------|-------------------------|
| <b>Physical</b>                           |               |       |                         |
| Melt Flow Rate (230 °C, 2.16 kg)          | ISO 1133      | 11    | g/10 min                |
| Melt Volume Rate (230 °C, 2.16 kg)        | ISO 1133      | 12    | cm <sup>3</sup> /10 min |
| Density (23 °C)                           | ISO 1183-1/A  | 1.06  | g/cm <sup>3</sup>       |
| <b>Mechanical</b>                         |               |       |                         |
| Tensile Modulus (23 °C)                   | ISO 527-1, -2 | 3200  | MPa                     |
| Tensile Stress at Yield (23 °C)           | ISO 527-1, -2 | 37    | MPa                     |
| Tensile Strain at Yield (23 °C)           | ISO 527-1, -2 | 5.0   | %                       |
| Flexural Modulus (23 °C) Tech. A          | ISO 178/A1    | 3100  | MPa                     |
| <b>Impact</b>                             |               |       |                         |
| Charpy Impact Strength, unnotched (23 °C) | ISO 179-1/1eU | 50    | kJ/m <sup>2</sup>       |
| Charpy Impact Strength, unnotched (0 °C)  | ISO 179-1/1eU | 25    | kJ/m <sup>2</sup>       |
| Charpy Impact Strength, notched (23 °C)   | ISO 179-1/1eA | 2.5   | kJ/m <sup>2</sup>       |
| Charpy Impact Strength, notched (0 °C)    | ISO 179-1/1eA | 1.5   | kJ/m <sup>2</sup>       |
| <b>Thermal</b>                            |               |       |                         |
| Vicat Softening Temperature B (50 N)      | ISO 306       | 100   | °C                      |
| Heat Deflection Temperature A (1.8 MPa)   | ISO 75-1, -2  | 62    | °C                      |

#### Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light.
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing.

#### Notes

Typical properties; not to be construed as specifications.

(1) : Here is indicated the region where the material is produced. For importation or demand of a local equivalent grade, please contact our Sales Representatives.