

## Technical Data Sheet

### Hostacom HBC 309 NAT



Polypropylene Compounds

#### Product Description

Hostacom HBC 309 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.*

|                   |                         |
|-------------------|-------------------------|
| Application       | Appliances; White Goods |
| Market            | Automotive              |
| Processing Method | Injection Molding       |
| Attribute         | Medium Flow             |

| Typical Properties                                        | Nominal Value | Units                   | Test Method   |
|-----------------------------------------------------------|---------------|-------------------------|---------------|
| <b>Physical</b>                                           |               |                         |               |
| Melt Flow Rate, (230 °C/2.16 kg)                          | 13.9          | g/10 min                | ISO 1133-1    |
| Melt Volume Flow Rate, (230 °C/2.16 kg)                   | 13.3          | cm <sup>3</sup> /10 min | ISO 1133-1    |
| Density, (23 °C)                                          | 1.22          | g/cm <sup>3</sup>       | ISO 1183-1/A  |
| <b>Mechanical</b>                                         |               |                         |               |
| Tensile Modulus, (23 °C)                                  | 4100          | MPa                     | ISO 527-1, -2 |
| Tensile Stress at Yield, (23 °C)                          | 32            | MPa                     | ISO 527-1, -2 |
| Tensile Strain at Yield, (23 °C)                          | 4             | %                       | ISO 527-1, -2 |
| <b>Impact</b>                                             |               |                         |               |
| Charpy Impact Strength - Notched, (23 °C)                 | 3             | kJ/m <sup>2</sup>       | ISO 179-1/1eA |
| Charpy Impact Strength - Unnotched, (23 °C)               | 26            | kJ/m <sup>2</sup>       | ISO 179-1/1eU |
| <b>Thermal</b>                                            |               |                         |               |
| Vicat Softening Temperature, (B50)                        | 90            | °C                      | ISO 306       |
| Deflection Temperature Under Load, (1.80 MPa, Unannealed) | 70            | °C                      | ISO 75A-1, -2 |