

## Technical Data Sheet

### Hostacom TRG 436P NAT



Polypropylene Compounds

#### Product Description

Hostacom TRG 436P NAT is a glass fiber reinforced impact modified PP with medium melt flow rate. It combines a well-balanced impact/stiffness ratio with good surface and high UV stability for applications requiring high ductility also at low temperatures.

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

|                   |                                                           |
|-------------------|-----------------------------------------------------------|
| Application       | Exterior Automotive Applications; Outdoor and Power Tools |
| Market            | Electrical / Electronics                                  |
| 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            | g/10 min                | ISO 1133-1    |
| Melt Volume Flow Rate, (230 °C/2.16 kg)                   | 13            | cm <sup>3</sup> /10 min | ISO 1133-1    |
| Density, (23 °C)                                          | 1.21          | g/cm <sup>3</sup>       | ISO 1183-1/A  |
| <b>Mechanical</b>                                         |               |                         |               |
| Flexural Modulus, (23 °C, Tech. A)                        | 7500          | MPa                     | ISO 178/A1    |
| Tensile Modulus, (23 °C)                                  | 8000          | MPa                     | ISO 527-1, -2 |
| Tensile Stress at Yield, (23 °C)                          | 85            | MPa                     | ISO 527-1, -2 |
| Tensile Strain at Yield, (23 °C)                          | 3             | %                       | ISO 527-1, -2 |
| <b>Impact</b>                                             |               |                         |               |
| Charpy Impact Strength - Notched                          |               |                         |               |
| (23 °C)                                                   | 12            | kJ/m <sup>2</sup>       | ISO 179-1/1eA |
| (0 °C)                                                    | 10            | kJ/m <sup>2</sup>       | ISO 179-1/1eA |
| (-30 °C)                                                  | 10            | kJ/m <sup>2</sup>       | ISO 179-1/1eA |
| Charpy Impact Strength - Unnotched                        |               |                         |               |
| (23 °C)                                                   | 55            | kJ/m <sup>2</sup>       | ISO 179-1/1eU |
| (0 °C)                                                    | 55            | kJ/m <sup>2</sup>       | ISO 179-1/1eU |
| <b>Thermal</b>                                            |               |                         |               |
| Vicat Softening Temperature, (B50)                        | 110           | °C                      | ISO 306       |
| Deflection Temperature Under Load, (1.80 MPa, Unannealed) | 140           | °C                      | ISO 75A-1, -2 |