



Hostacom TRG 436P NAT

Compounded Polyolefin

Product Description

Hostacom TRG 436P NAT is a 40% glass fiber reinforced PP homopolymer, with good flowability, excellent impact/stiffness balance and good UV resistance. Product is available as natural, pellet form.

This grade is not intended for medical, pharmaceutical, food, drinking water and all applications not listed in the supported list. For more information please contact our sales representatives.

Product Characteristics

| | |
|-------------------------------|---|
| Status | Commercial |
| Availability | Europe (1) |
| Processing Method | Injection molding |
| Features | Flowability, impact/stiffness balance, low temperature impact resistance and UV resistance. |
| Typical Customer Applications | Used for power tools and outdoor/exterior applications that require a good balance of stiffness and impact performance as well as good low-temperature impact resistance and high UV stability. |

| Typical Properties | Method | Value | Unit |
|---|---------------|-------|-------------------------|
| Physical | | | |
| Melt Flow Rate (230 °C, 2.16 kg) | ISO 1133 | 13 | g/10 min |
| Density (23 °C) | ISO 1183-1/A | 1.21 | g/cm ³ |
| Melt Volume Rate (230 °C, 2.16 kg) | ISO 1133 | 13 | cm ³ /10 min |
| Mechanical | | | |
| Flexural Modulus (23 °C) Tech. A | ISO 178/A1 | 7500 | MPa |
| Tensile Modulus (23 °C) | ISO 527-1, -2 | 8000 | MPa |
| Tens.Strain at Break | ISO 527-1, -2 | 4 | % |
| Tensile Stress at Break (23 °C) | ISO 527-1, -2 | 86 | MPa |
| Flexural Strength (23 °C) Tech. A | ISO 178/A1 | 120 | MPa |
| Impact | | | |
| Charpy Impact Strength, unnotched (0 °C) | ISO 179-1/1eU | 55 | kJ/m ² |
| Charpy Impact Strength, notched (0 °C) | ISO 179-1/1eA | 10 | kJ/m ² |
| Charpy Impact Strength, notched (-30 °C) | ISO 179-1/1eA | 10 | kJ/m ² |
| Charpy Impact Strength, notched (23 °C) | ISO 179-1/1eA | 12 | kJ/m ² |
| Charpy Impact Strength, unnotched (23 °C) | ISO 179-1/1eU | 55 | kJ/m ² |
| Thermal | | | |
| Heat Deflection Temperature A (1.8 MPa) | ISO 75-1, -2 | 140 | °C |
| Vicat Softening Temperature B (50 N) | ISO 306 | 110 | °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.