



Hifax TRC 221X 3001

Compounded Polyolefin

Product Description

Hifax TRC 221X 3001 is a 20% talc filled PP copolymer, with high flowability, excellent impact/stiffness balance and very low CLTE. Product is available as a customized color matched, pellet form. This grade is delivered in 3001 color version.

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

Product Characteristics

| | |
|-------------------------------|---|
| Status | Commercial |
| Processing Method | Injection molding |
| Features | Impact/stiffness balance, CLTE(Coefficient of Linear Thermal Expansion). |
| Typical Customer Applications | Used for applications demanding high impact strength as well as good stiffness. |

| Typical Properties | Method | Value | Unit |
|--|---------------|-------|-------------------|
| Physical | | | |
| Melt Flow Rate (230 °C, 2.16 kg) | ISO 1133 | 15 | g/10 min |
| Density (23 °C) | ISO 1183-1/A | 1.04 | g/cm ³ |
| Mechanical | | | |
| Tensile Stress at Yield (23 °C) | ISO 527-1, -2 | 16.5 | MPa |
| Flexural Modulus (23 °C) Tech. A | ISO 178/A1 | 1500 | MPa |
| Impact | | | |
| Charpy Impact Strength, notched (23 °C) | ISO 179-1/1eA | 55 | kJ/m ² |
| Charpy Impact Strength, notched (-40 °C) | ISO 179-1/1eA | 3.5 | kJ/m ² |
| Izod Impact strength, notched (23 °C) | ISO 180/1A | 48 | kJ/m ² |
| Izod Impact strength, notched (-40 °C) | ISO 180/1A | 5 | kJ/m ² |
| Thermal | | | |
| Heat Deflection Temperature B (0.45 MPa) | ISO 75-1, -2 | 95 | °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.

