Hifax TRC 221P 3

Compounded Polyolefin

Product Description

Hifax TRC 221P 3 is a 22% talc filled PP copolymer, with high melt flow rate, excellent impact/stiffness balance, low CLTE (Coefficient of Linear Thermal Expansion) and good UV resistance. This grade is delivered in customer customized colors, this Data Sheet is giving general properties, some of them may be slightly altered upon color selected.

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

Product Characteristics

Status	Commercial
Processing Method	Injection molding
Features	Flowability, impact/stiffness balance, CLTE (Coefficient of Linear Thermal Expansion).
Typical Customer Applications	Used for moulding large complex parts, that require 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	22	g/10 min
Density (23 °C)	ISO 1183-1/A	1.05	g/cm^3
Mechanical			
Tensile Stress at Yield (23 °C)	ISO 527-1, -2	17	MPa
Flexural Modulus (23 °C) Tech. A	ISO 178/A1	1600	MPa
Flexural Strength (23 °C) Tech. A	ISO 178/A1	22	MPa
Impact			
Izod Impact strength, notched (23 °C)	ISO 180/1A	40	kJ/m^2
Izod Impact Strength, notched (-30 °C)	ISO 180/1A	5	kJ/m^2
Thermal			
Vicat Softening Temperature B (50 N)	ISO 306	45	°C
Heat Deflection Temperature A (1.8 MPa)	ISO 75-1, -2	55	°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.