Hifax TYC 381P 1646

Compounded Polyolefin

Product Description

Hifax TYC 381P 1646 is an 11% talc filled PP copolymer, with very high melt flow rate, high impact resistance, good stiffness and excellent surface appearance. Product is available as a customized color matched, pellet form. This grade is delivered in 1646 color version.

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

Product Characteristics

Status	Commercial
Processing Method	Injection molding
Features	Very high melt flow rate, impact resistance, stiffness, surface appearance.
Typical Customer Applications	Used for moulding large complex parts, that require high impact strength as well as good stiffness and for any outdoor/exterior application such as bumper.

Typical Properties	Method	Value	Unit
Physical			
Melt Flow Rate (230 °C, 2.16 kg)	ISO 1133	35	g/10 min
Density (23 °C)	ISO 1183-1/A	1.15	g/cm^3
Mechanical			
Tensile Stress at Yield (23 °C)	ISO 527-1, -2	16	MPa
Flexural Modulus (23 °C) Tech. A	ISO 178/A1	1250	MPa
Flexural Strength (23 °C) Tech. A	ISO 178/A1	20	MPa
Impact			
Izod Impact strength, notched (23 °C)	ISO 180/1A	40	kJ/m^2
Izod Impact Strength, notched (-30 °C)	ISO 180/1A	6	kJ/m^2
Thermal			
Vicat Softening Temperature B (50 N)	ISO 306	49	°C
Heat Deflection Temperature A (1.8 MPa)	ISO 75-1, -2	48	°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.