

Technical Data Sheet

Hifax TYC 381P 1646



Polypropylene Compounds

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.

Application	Bumpers
Market	Automotive
Processing Method	Injection Molding
Attribute	Excellent Processability; Ultra High Flow

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	35	g/10 min	ISO 1133-1
Density, (23 °C)	1.15	g/cm ³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	1250	MPa	ISO 178/A1
Flexural Strength, (23 °C, Tech. A)	20	MPa	ISO 178/A1
Tensile Stress at Yield, (23 °C)	16	MPa	ISO 527-1, -2
Impact			
Notched Izod Impact Strength			
(23 °C)	40	kJ/m ²	ISO 180/1A
(-30 °C)	6	kJ/m ²	ISO 180/1A
Thermal			
Vicat Softening Temperature, (B50)	49	°C	ISO 306
Deflection Temperature Under Load, (1.80 MPa, Unannealed)	48	°C	ISO 75A-1, -2