

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.

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

Notes

These are typical property values not to be construed as specification limits.

