

Hifax TYC 381P 1646

Polypropylene Copolymer
LyondellBasell Industries

Message:

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.
For regulatory compliance information, see Hifax TYC 381P 1646 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).
This grade is not intended for medical, pharmaceutical, food and drinking water applications.

General Information			
Filler / Reinforcement	Talc filler, 11% filler by weight		
Features	Rigidity, high		
	Rigid, good		
	Impact resistance, high		
	High liquidity		
	Good appearance		
Uses	Car anti-collision bar		
	Application in Automobile Field		
Appearance	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.15	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	16.0	MPa	ISO 527-2
Flexural Modulus ¹ (23°C)	1250	MPa	ISO 178/A
Flexural Stress ² (23°C)	20.0	MPa	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	6.0	kJ/m ²	ISO 180/1A
23°C	40	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	48.0	°C	ISO 75-2/A
Vicat Softening Temperature	49.0	°C	ISO 306/B
NOTE			
1.	1.0 mm/min		
2.	1.0 mm/min		

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