

Technical Data Sheet

Polyfort FIPP 10T K2369 SIL60765



Polypropylene Copolymer

Product Description

Polyfort FIPP 10 T K2369 SILVER 60765 is a 5% talc filled PP copolymer, with excellent impact/stiffness balance, good flowability, very good surface appearance, very good UV resistance and excellent processability. Formula is improved to offer better aspect, especially on tiger stripes. The product is available in different color matched. This grade is delivered in SILVER 60765 color version.

Processing Method Injection Molding

Filler/Reinforcement Metallic Flake; Talc

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (230 °C/2.16 kg)	30	cm ³ /10 min	ISO 1133
Density, (Method A)	0.950	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	17.0	MPa	ISO 527-2
Tensile Strain at Yield, (Type 1A, 50 mm/min)	8.0	%	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	1100	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	16	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	3.0	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	No Break		ISO 179
(-30 °C, Type 1, Edgewise)	20	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	56.0	°C	ISO 306
(A (10N), 50 °C/h)	124	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	63.0	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	47.0	°C	ISO 75-2/A
Flammable			
Burning Rate			
(2.00 mm)	<100	mm/min	ISO 3795
(2.00 mm)	<100	mm/min	FMVSS 302
Additional Information			
Ash, (625 °C)	10	%	ISO 3451-1A

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
Injection Rate	Moderate-Fast	
Mold Temperature	30 to 60	°C