

## Technical Data Sheet

### Polyfort FIPP 20 T LE K1731 BLK



Polypropylene Copolymer

#### Product Description

20% talc filled PP-Copolymer with low emission; UV- and high heat stabilized

**Processing Method** Injection Molding

**Attribute** Low Emissions

**Filler/Reinforcement** Talc, 20%

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Volume Flow Rate, (230 °C/2.16 kg)	7.0	cm <sup>3</sup> /10 min	ISO 1133
Density, (Method A)	1.05	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	23.0	MPa	ISO 527-2
Tensile Strain at Yield, (Type 1A, 50 mm/min)	5.0	%	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	2100	MPa	ISO 527-1
<b>Impact</b>			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	7.0	kJ/m <sup>2</sup>	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	4.0	kJ/m <sup>2</sup>	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	No Break		ISO 179
(-30 °C, Type 1, Edgewise)	36	kJ/m <sup>2</sup>	ISO 179
<b>Thermal</b>			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	67.0	°C	ISO 306
(A (10N), 50 °C/h)	145	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	99.0	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	60.0	°C	ISO 75-2/A
<b>Electrical</b>			
Volume Resistivity	>1.0E+13	ohm*m	IEC 62631-3-1
Surface Resistivity	>1.0E+15	ohm	IEC 60093
<b>Flammable</b>			
Burning Rate			
(2.00 mm)	<100	mm/min	ISO 3795
(2.00 mm)	<100	mm/min	FMVSS 302

**UL Information**

Flammability Classification

(1.5 mm)	HB	IEC 60695-11-10, -20
(3.0 mm)	HB	IEC 60695-11-10, -20

<b>Injection Parameters</b>		<b>Nominal Value</b>	<b>Units</b>
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