

## Technical Data Sheet

**Polyfort FIPP 20T LEK1832 BLK**

Polypropylene Copolymer

**Product Description**

20% talc filled high impact and low emission PP-Copolymer, good scratch resistance and UV-stability especially for automotive interior parts

<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	High Impact Resistance; Low Emissions; Scratch Resistant
<b>Filler/Reinforcement</b>	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)	22.0	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)	1800	MPa	ISO 527-1
<b>Impact</b>			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	10	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)	35	kJ/m <sup>2</sup>	ISO 179
<b>Hardness</b>			
Ball Indentation Hardness, (H 358/30)	68.0	MPa	ISO 2039-1
Ball Pressure Test, (125 °C)	Pass		IEC 60695-10-2
<b>Thermal</b>			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	68.0	°C	ISO 306
(A (10N), 50 °C/h)	143	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	100	°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

**Flammable**

Burning Rate			
(2.00 mm)	40	mm/min	FMVSS 302
(2.00 mm)	40	mm/min	ISO 3795

**UL Information**

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

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