

## Technical Data Sheet

### *Polyfort* TPP10AT22BK-BKBLK



Polypropylene, Unspecified (PP, Unspecified)

#### Product Description

TPP10AT22BK-BK is a 10% Talc-Filled, UV Stabilized, Impact Modified Polypropylene, Black

<b>Processing Method</b>	Injection Molding
<b>Forms</b>	Pellets
<b>Filler/Reinforcement</b>	Talc, 10%

<b>Typical Properties</b>	<b>Nominal Value</b>	<b>Units</b>	<b>Test Method</b>
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	9.8	g/10 min	ASTM D1238
Density - Specific Gravity	0.928	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Tensile Stress at Yield	19.4	MPa	ISO 527-2
Flexural Modulus	994	MPa	ISO 178
<b>Impact</b>			
Charpy Impact Strength - Notched	39	kJ/m <sup>2</sup>	ISO 179
Notched Izod Impact, (23 °C)	1300	J/m	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (1.80 MPa)	55	°C	ISO 75-2/A

<b>Injection Parameters</b>	<b>Value</b>	<b>Units</b>
Drying Time	2.0 to 4.0	hr
Drying Temperature	82 to 104	°C
Processing (Melt) Temp	199 to 227	°C
Front Temperature	177 to 221	°C
Middle Temperature	177 to 221	°C
Rear Temperature	177 to 221	°C
Injection Rate	Moderate	
Back Pressure	0.138 to 2.07	MPa
Mold Temperature	21 to 49	°C
Cushion	6.35 to 12.7	mm