

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

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

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

Injection Parameters	Value	Units
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