

## Technical Data Sheet

### *Polyfort* TPP10AT23NA-NANAT



Polypropylene, Unspecified (PP, Unspecified)

#### Product Description

PP TPP10AT23 is a Polypropylene product filled with 10% talc.

<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Impact Modified
<b>Forms</b>	Pellets
<b>Additive</b>	Impact Modifier
<b>Filler/Reinforcement</b>	Talc, 10%

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	0.85	g/10 min	ASTM D1238
Density - Specific Gravity	0.918	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Flexural Strength at Yield, (23 °C)	22.8	MPa	ASTM D790
Tensile Stress at Yield, (50 mm/min)	16.0	MPa	ISO 527-2
Flexural Modulus			
(2.0 mm/min)	650	MPa	ISO 178
(23 °C, 1% Secant)	862	MPa	ASTM D790
(23 °C, Tangent)	931	MPa	ASTM D790
Tensile Elongation at Break, (23 °C)	150	%	ASTM D638
<b>Impact</b>			
Unnotched Izod Impact, (23 °C)	No Break		ASTM D4812
Notched Izod Impact, (23 °C)	590	J/m	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (66 psi)	73.9	°C	ASTM D648

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