

## Technical Data Sheet

### *Polyfort* TPP30AE84HB-WHWHI



Polypropylene, Homopolymer

#### Product Description

*Polyfort* TPP30AE84HB-WHWHI is a Polypropylene Homopolymer Talc, 30% filled material and is typically used in Injection Molding applications. Features include: Homopolymer.

<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Homopolymer
<b>Forms</b>	Pellets
<b>Appearance</b>	White
<b>Filler/Reinforcement</b>	Talc, 30%

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	5.5	g/10 min	ASTM D1238
Density - Specific Gravity	1.16	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Tensile Strength, (23 °C)	33.1	MPa	ASTM D638
Flexural Modulus			
(23 °C, 1% Secant)	2450	MPa	ASTM D790
(23 °C, Tangent)	3010	MPa	ASTM D790
Tensile Elongation at Break, (23 °C)	10	%	ASTM D638
Flexural Strength, (23 °C)	51.7	MPa	ASTM D790
<b>Impact</b>			
Gardner Impact, (23 °C)	0.565	J	ASTM D5420
Unnotched Izod Impact, (23 °C)	510	J/m	ASTM D4812
Notched Izod Impact, (23 °C)	27	J/m	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (264 psi)	73.9	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	128	°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