

Technical Data Sheet

Polyfort TPP20AE93HB-NANAT



Polypropylene, Homopolymer

Product Description

Polyfort TPP20AE93HB-NANAT is a Polypropylene Homopolymer Talc, 20% filled material and is typically used in Injection Molding applications. Features include: Heat Stabilized, and Homopolymer.

Processing Method	Injection Molding
Attribute	Heat Stabilized; Homopolymer
Forms	Pellets
Appearance	Natural Color
Additive	Heat Stabilizer
Filler/Reinforcement	Talc, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	5.5	g/10 min	ASTM D1238
Density - Specific Gravity	1.06	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (23 °C)	34.5	MPa	ASTM D638
Flexural Strength at Yield, (23 °C)	55.8	MPa	ASTM D790
Flexural Modulus			
(23 °C, 1% Secant)	2400	MPa	ASTM D790
(23 °C, Tangent)	2750	MPa	ASTM D790
Tensile Elongation at Break, (23 °C)	20	%	ASTM D638
Impact			
Gardner Impact	1.13	J	ASTM D5420
Unnotched Izod Impact, (23 °C)	640	J/m	ASTM D4812
Notched Izod Impact, (23 °C)	37	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	73.9	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	129	°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