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Technical Data Sheet

Polyfort TPP21AN89HB-NANAT

Polypropylene, Homopolymer

Product Description

Polyfort TPP21AN89HB-NANAT is a Polypropylene Homopolymer Talc, 21% filled material and is typically used in Injection Molding applications. Features include: Homopolymer.

Processing Method	Injection Molding
Attribute	Homopolymer
Forms	Pellets
Appearance	Natural Color
Filler/Reinforcement	Talc, 21%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	9.0	g/10 min	ASTM D1238
Density - Specific Gravity	1.1	g/cm³	ASTM D792
Mechanical			
Tensile Strength, (23 °C)	22.4	MPa	ASTM D638
Flexural Modulus			
(23 °C, 1% Secant)	1620	MPa	ASTM D790
(23 °C, Tangent)	1830	MPa	ASTM D790
Tensile Elongation at Break, (23 °C)	35	%	ASTM D638
Flexural Strength, (23 °C)	33.8	MPa	ASTM D790
Impact			
Gardner Impact, (23 °C)	8.47	J	ASTM D5420
Unnotched Izod Impact, (23 °C)	590	J/m	ASTM D4812
Notched Izod Impact, (23 °C)	75	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	62.8	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	110	°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