

Technical Data Sheet

Polyfort PP1A0NANAT

Polypropylene, Unspecified (PP, Unspecified)

Product Description

Polyfort PP1A0NANAT is a Polypropylene, Unspecified material and is typically used in Injection Molding applications. Features include: Low Temperature Impact Resistance.

Processing Method	Injection Molding
Attribute	Low Temperature Impact Resistance
Forms	Pellets

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate	3.5	g/10 min	ASTM D1238
Density - Specific Gravity	0.908	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (23 °C)	37.2	MPa	ASTM D638
Flexural Modulus, (23 °C, Tangent)	1240	MPa	ASTM D790
Impact			
Gardner Impact	2.82	J	ASTM D3029
Notched Izod Impact, (23 °C, 3.18 mm)	37	J/m	ASTM D256
Hardness			
Durometer Hardness, (Shore D)	70		ASTM D2240
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	60	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	87.8	°C	ASTM D648
UL Information			
Flame Rating, (1.6 mm)	HB		UL 94

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature	82 to 104	°C
Processing (Melt) Temp	193 to 232	°C
Front Temperature	177 to 232	°C
Middle Temperature	177 to 232	°C
Rear Temperature	177 to 232	°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