

Technical Data Sheet

Polyfort PP3C0WT79

Polypropylene Copolymer

Product Description

Matrixx PP3C0 is a High Flow Polypropylene Copolymer

Processing Method	Injection Molding
Attribute	Copolymer
Forms	Pellets
Appearance	Colors Available

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	18	g/10 min	ASTM D1238
Density - Specific Gravity	0.908	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (23 °C)	26.2	MPa	ASTM D638
Flexural Modulus, (Tangent)	1240	MPa	ASTM D790
Impact			
Gardner Impact	19.2	J	ASTM D5420
Notched Izod Impact, (23 °C, 3.18 mm)	110	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	43.3	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	76.7	°C	ASTM D648

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