

Technical Data Sheet

Polyfort PP 3761U-3120 BLACK



Polypropylene, Homopolymer

Product Description

Polyfort PP 3761U-3120 is an Unfilled Polypropylene Homopolymer

Processing Method Injection Molding

Appearance Colors Available

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate	12	g/10 min	ASTM D1238
Density - Specific Gravity	0.9	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (500 mm/min)	34.6	MPa	ASTM D638
Flexural Strength at Yield	49.3	MPa	ASTM D790
Flexural Modulus, (1.3 mm/min)	1780	MPa	ASTM D790
Tensile Elongation at Break, (0.0 mm/min)	43	%	ASTM D638
Impact			
Notched Izod Impact, (23 °C)	57	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (66 psi)	110	°C	ASTM D648

Injection Parameters	Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
Injection Rate	Moderate-Fast	
Mold Temperature	30 to 60	°C