

Technical Data Sheet

Polyfort CP0401VA12561BLK

Polypropylene, Unspecified (PP, Unspecified)

Product Description

CP0401VA12561 is an Unfilled, Hi-Impact, Co-Polymer, Polypropylene

Processing Method	Extrusion; Injection Molding
Attribute	Copolymer; High Impact Resistance
Forms	Pellets
Appearance	Black

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate	1.1	g/10 min	ASTM D1238
Density - Specific Gravity	0.9	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	21	MPa	ASTM D638
Flexural Modulus	807	MPa	ASTM D790
Tensile Elongation at Break	470	%	ASTM D638
Impact			
Notched Izod Impact	No Break		ASTM D256
Hardness			
Durometer Hardness, (Shore D)	55		ASTM D2240
Thermal			
Deflection Temperature Under Load Unannealed (66 psi)	67	°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	199 to 232	°C
Front Temperature	188 to 232	°C
Middle Temperature	188 to 232	°C
Rear Temperature	188 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