

Technical Data Sheet

**Polyfort CP0401VA12561BLK**



Polypropylene, Unspecified (PP, Unspecified)

**Product Description**

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

<b>Processing Method</b>	Extrusion; Injection Molding
<b>Attribute</b>	Copolymer; High Impact Resistance
<b>Forms</b>	Pellets
<b>Appearance</b>	Black

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate	1.1	g/10 min	ASTM D1238
Density - Specific Gravity	0.9	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Tensile Strength at Yield	21	MPa	ASTM D638
Flexural Modulus	807	MPa	ASTM D790
Tensile Elongation at Break	470	%	ASTM D638
<b>Impact</b>			
Notched Izod Impact	No Break		ASTM D256
<b>Hardness</b>			
Durometer Hardness, (Shore D)	55		ASTM D2240
<b>Thermal</b>			
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