

Polyfort CP0401VA12561BLK

LyondellBasell Industries - Polypropylene

General Information

Product Description

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

General

Features	• Copolymer	• High Impact Resistance
Appearance	• Black	
Forms	• Pellets	
Processing Method	• Extrusion	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.902		ASTM D792
Melt Mass-Flow Rate (MFR)	1.1	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3050	psi	ASTM D638
Tensile Elongation (Break)	470	%	ASTM D638
Flexural Modulus	117000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	No Break		ASTM D256
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	55		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	153	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180 to 219	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	370 to 450	°F
Middle Temperature	370 to 450	°F
Front Temperature	370 to 450	°F
Processing (Melt) Temp	390 to 450	°F
Mold Temperature	70 to 120	°F
Injection Rate	Moderate	
Back Pressure	20.0 to 300	psi
Cushion	0.250 to 0.500	in