

# Polyfort PP 3761U-3120 BLACK

LyondellBasell Industries - Polypropylene Homopolymer

## General Information

### Product Description

Polyfort PP 3761U-3120 is an Unfilled Polypropylene Homopolymer

### General

- |                   |                     |
|-------------------|---------------------|
| Appearance        | • Colors Available  |
| Processing Method | • Injection Molding |

## Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.902		ASTM D792
Melt Mass-Flow Rate (MFR)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield)	5020	psi	ASTM D638
Tensile Elongation <sup>3</sup> (Break)	43	%	ASTM D638
Flexural Modulus <sup>4</sup>	258000	psi	ASTM D790
Flexural Strength (Yield)	7150	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.1	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	230	°F	ASTM D648

## Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 3.0	hr
Processing (Melt) Temp	428 to 500	°F
Mold Temperature	86 to 140	°F
Injection Rate	Moderate-Fast	

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 20 in/min

<sup>3</sup> 0.0 in/min

<sup>4</sup> 0.051 in/min