

Polyfort PP 2173HU-382 BLACK

LyondellBasell Industries - Polypropylene

General Information

Product Description

PP High Impact Unfilled

General

Features	• High Impact Resistance
Processing Method	• Injection Molding

Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.912		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	2900	psi	ASTM D638
Tensile Elongation ² (Break)	650	%	ASTM D638
Flexural Modulus ³	116000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	9.4	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	185	°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

¹ Typical properties: these are not to be construed as specifications.

² 0.39 in/min

³ 0.079 in/min