

# Polyfort RPP30ER13GY-GY GAPEX HPGRY

LyondellBasell Industries - Polypropylene

## General Information

### Product Description

Gapex RPP30ER13GY is a 30% Glass-Reinforced Polypropylene

### General

Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Appearance	• Grey
Forms	• Pellets
Processing Method	• Injection Molding

## Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.1	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (73°F)	10100	psi	ASTM D638
Flexural Modulus	796000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.4	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	293	°F	ASTM D648

## Processing Information

Injection	Nominal Value	Unit
Drying Temperature	160 to 180	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	430 to 460	°F
Middle Temperature	441 to 469	°F
Front Temperature	450 to 500	°F
Nozzle Temperature	450 to 500	°F
Processing (Melt) Temp	430 to 460	°F
Mold Temperature	100 to 151	°F
Injection Rate	Slow-Moderate	
Back Pressure	20.0 to 50.0	psi
Cushion	0.200 to 0.500	in