

## Optipro PP LG30

The Materials Group - Polypropylene

### General Information

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Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Long Glass Fiber, 30% Filler by Weight
Features	• Excellent Processability
Appearance	• Black                                      • Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1.02E+6	psi	ISO 527-1
Tensile Stress	14500	psi	ISO 527-2
Tensile Strain (Break)	2.1	%	ISO 527-2
Flexural Modulus	943000	psi	ISO 14125
Flexural Stress	21800	psi	ISO 14125
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	6.7	ft·lb/in <sup>2</sup>	ISO 179
Charpy Unnotched Impact Strength	21	ft·lb/in <sup>2</sup>	ISO 179

### Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	4.0	hr
Dew Point	-20	°F
Processing (Melt) Temp	410 to 480	°F
Mold Temperature	100 to 170	°F
Injection Pressure	10000 to 15000	psi

### Notes

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

