

Optipro PP LG40

The Materials Group - Polypropylene

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Long Glass Fiber, 40% Filler by Weight
Features	• Excellent Processability
Appearance	• Black • Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1.45E+6	psi	ISO 527-1
Tensile Stress	17400	psi	ISO 527-2
Tensile Strain (Break)	1.8	%	ISO 527-2
Flexural Modulus	1.42E+6	psi	ISO 14125
Flexural Stress	29000	psi	ISO 14125
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	9.5	ft·lb/in ²	ISO 179
Charpy Unnotched Impact Strength	31	ft·lb/in ²	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

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

