

Optipro CP15G

The Materials Group - Polypropylene Copolymer

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 15% 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	1.00	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Ash Content	15	%	ISO 3451-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	6820	psi	ISO 527-2
Tensile Strain (Break)	4.5	%	ISO 527-2
Flexural Modulus	406000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	6.2	ft·lb/in ²	ISO 180/1A

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	160	°F
Rear Temperature	380 to 400	°F
Middle Temperature	400 to 420	°F
Front Temperature	420 to 450	°F
Nozzle Temperature	430 to 460	°F
Mold Temperature	80 to 150	°F

Notes

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

