

## Optipro 1510

The Materials Group - Polypropylene Copolymer

### General Information

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Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber      • Natural Fiber
Features	• Copolymer      • High Stiffness
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

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

Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage - Flow	6.0E-3 to 0.010	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	614000	psi	ISO 527-1
Tensile Stress (Yield)	7980	psi	ISO 527-2
Tensile Strain (Break)	4.7	%	ISO 527-2
Flexural Modulus	564000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.5	ft·lb/in <sup>2</sup>	ISO 179/1eA

### Processing Information

Injection	Nominal Value	Unit
Drying Temperature	220	°F
Rear Temperature	330 to 350	°F
Middle Temperature	340 to 360	°F
Front Temperature	350 to 370	°F
Nozzle Temperature	360 to 380	°F
Mold Temperature	80 to 150	°F

### Notes

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

