

Optipro PP20TF

The Materials Group - Polypropylene

General Information

General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Filler / Reinforcement	<ul style="list-style-type: none"> Talc, 20% Filler by Weight
Features	<ul style="list-style-type: none"> Excellent Processability
Uses	<ul style="list-style-type: none"> Automotive Applications
Appearance	<ul style="list-style-type: none"> Black Natural Color
Forms	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Molding Shrinkage - Flow	0.010 to 0.014	in/in	ASTM D955
Ash Content	20	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	3480	psi	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.4	ft·lb/in ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	154	°F	ISO 75-2/A

Processing Information

Injection	Nominal Value	Unit
Processing (Melt) Temp	752 to 824	°F
Mold Temperature	194 to 248	°F

Notes

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

