



# HYPRO® PP-CP 50/2

## Entec Polymers - Polypropylene Impact Copolymer

Tuesday, November 5, 2019

### General Information

#### General

Material Status	<ul style="list-style-type: none"> <li>Commercial: Active</li> </ul>
Availability	<ul style="list-style-type: none"> <li>North America</li> </ul>
Features	<ul style="list-style-type: none"> <li>Impact Copolymer</li> </ul>
RoHS Compliance	<ul style="list-style-type: none"> <li>RoHS Compliant</li> </ul>
Forms	<ul style="list-style-type: none"> <li>Pellets</li> </ul>

### ASTM & ISO Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.901		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	50	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.012 to 0.025	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	3700	psi	ASTM D638
Tensile Elongation (Yield, 73°F)	6.0	%	ASTM D638
Flexural Modulus (73°F)	170000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	2.0	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ASTM D785

### Processing Information

Injection	Nominal Value	Unit
Rear Temperature	360 to 420	°F
Middle Temperature	380 to 460	°F
Front Temperature	400 to 480	°F
Nozzle Temperature	380 to 460	°F
Processing (Melt) Temp	400 to 480	°F
Mold Temperature	70 to 120	°F
Injection Pressure	500 to 1500	psi

### Notes

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