



## HYPRO® PP-HP 12

Entec Polymers - Polypropylene Homopolymer

Tuesday, November 5, 2019

### General Information

#### Product Description

This product is intended for general purpose injection molding applications such as caps & closures, resin furniture and consumer products.

#### General

Material Status	• Commercial: Active
Availability	• North America
Features	• Food Contact Acceptable • General Purpose • Homopolymer
Uses	• Caps • Consumer Applications • Closures • Furniture • General Purpose
Forms	• Pellets
Processing Method	• Injection Molding

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

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.014	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	4930	psi	ASTM D638
Tensile Elongation (Yield, 73°F)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant <sup>2</sup> (73°F)	240000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	0.60	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	221	°F	ASTM D648

#### Notes

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

<sup>2</sup> 0.051 in/min